

展開 01

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $-3a(a - 4)$

(2) $-3b(b + 5)$

(3) $-a(a + 2)$

(4) $-3x(3x + 4)$

(5) $-m(m - 2)$

(6) $z(2z + 5)$

(7) $-3z(-z + 3)$

(8) $-2y(-4y - 3)$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $-y(4y + 3z)$

(2) $-x(4x - 3y)$

(3) $2x(5x + 4y)$

(4) $-2x(x + y)$

(5) $-3x(-x + 2y)$

(6) $3y(3y + 5z)$

(7) $-4x(x - y)$

(8) $-2b(3b + 2c)$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $3b(2b - 3c)$

(2) $3x(x - y)$

(3) $a(a - 5)$

(4) $-b(3b + 4)$

(5) $2m(5m - 3)$

(6) $3a(-3a + 4)$

(7) $4x(2x - y)$

(8) $4m(-2m - 1)$

(9) $-3y(-2y - 3z)$

展開 01

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $-3a(a - 4) \quad \mathbf{-3a^2 + 12a}$

(2) $-3b(b + 5) \quad \mathbf{-3b^2 - 15b}$

(3) $-a(a + 2) \quad \mathbf{-a^2 - 2a}$

(4) $-3x(3x + 4) \quad \mathbf{-9x^2 - 12x}$

(5) $-m(m - 2) \quad \mathbf{-m^2 + 2m}$

(6) $z(2z + 5) \quad \mathbf{2z^2 + 5z}$

(7) $-3z(-z + 3) \quad \mathbf{3z^2 - 9z}$

(8) $-2y(-4y - 3) \quad \mathbf{8y^2 + 6y}$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $-y(4y + 3z) \quad \mathbf{-4y^2 - 3yz}$

(2) $-x(4x - 3y) \quad \mathbf{-4x^2 + 3xy}$

(3) $2x(5x + 4y) \quad \mathbf{10x^2 + 8xy}$

(4) $-2x(x + y) \quad \mathbf{-2x^2 - 2xy}$

(5) $-3x(-x + 2y) \quad \mathbf{3x^2 - 6xy}$

(6) $3y(3y + 5z) \quad \mathbf{9y^2 + 15yz}$

(7) $-4x(x - y) \quad \mathbf{-4x^2 + 4xy}$

(8) $-2b(3b + 2c) \quad \mathbf{-6b^2 - 4bc}$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $3b(2b - 3c) \quad \mathbf{6b^2 - 9bc}$

(2) $3x(x - y) \quad \mathbf{3x^2 - 3xy}$

(3) $a(a - 5) \quad \mathbf{a^2 - 5a}$

(4) $-b(3b + 4) \quad \mathbf{-3b^2 - 4b}$

(5) $2m(5m - 3) \quad \mathbf{10m^2 - 6m}$

(6) $3a(-3a + 4) \quad \mathbf{-9a^2 + 12a}$

(7) $4x(2x - y) \quad \mathbf{8x^2 - 4xy}$

(8) $4m(-2m - 1) \quad \mathbf{-8m^2 - 4m}$

(9) $-3y(-2y - 3z) \quad \mathbf{6y^2 + 9yz}$

展開 02

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $(y + 5)^2$

(2) $(x - 4)^2$

(3) $(x + 3)^2$

(4) $(b - 4)^2$

(5) $(y - 6)^2$

(6) $(x + 7)^2$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(y + 3)(y + 4)$

(2) $(y - 5)(y - 1)$

(3) $(y + 3)(y + 5)$

(4) $(b - 5)(b - 1)$

(5) $(x + 1)(x - 6)$

(6) $(y - 7)(y + 3)$

(7) $(a - 9)(a - 1)$

(8) $(b + 5)(b + 1)$

(9) $(a + 8)(a + 1)$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $(x + 4)(x - 4)$

(2) $(x + 1)(x - 1)$

(3) $(x - 7)(x + 7)$

(4) $(x + 1)(x - 1)$

4. 次の式を展開しなさい。 (1 問 4 点)

(1) $(b + 3)(b + 4)$

(2) $(y - 1)(y + 1)$

(3) $(b - 1)^2$

(4) $(y + 1)(y + 9)$

(5) $(x + 5)^2$

(6) $(a - 3)(a + 3)$

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $(y + 5)^2 = y^2 + 10y + 25$

(2) $(x - 4)^2 = x^2 - 8x + 16$

(3) $(x + 3)^2 = x^2 + 6x + 9$

(4) $(b - 4)^2 = b^2 - 8b + 16$

(5) $(y - 6)^2 = y^2 - 12y + 36$

(6) $(x + 7)^2 = x^2 + 14x + 49$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(y + 3)(y + 4) = y^2 + 7y + 12$

(2) $(y - 5)(y - 1) = y^2 - 6y + 5$

(3) $(y + 3)(y + 5) = y^2 + 8y + 15$

(4) $(b - 5)(b - 1) = b^2 - 6b + 5$

(5) $(x + 1)(x - 6) = x^2 - 5x - 6$

(6) $(y - 7)(y + 3) = y^2 - 4y - 21$

(7) $(a - 9)(a - 1) = a^2 - 10a + 9$

(8) $(b + 5)(b + 1) = b^2 + 6b + 5$

(9) $(a + 8)(a + 1) = a^2 + 9a + 8$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $(x + 4)(x - 4) = x^2 - 16$

(2) $(x + 1)(x - 1) = x^2 - 1$

(3) $(x - 7)(x + 7) = x^2 - 49$

(4) $(x + 1)(x - 1) = x^2 - 1$

4. 次の式を展開しなさい。 (1 問 4 点)

(1) $(b + 3)(b + 4) = b^2 + 7b + 12$

(2) $(y - 1)(y + 1) = y^2 - 1$

(3) $(b - 1)^2 = b^2 - 2b + 1$

(4) $(y + 1)(y + 9) = y^2 + 10y + 9$

(5) $(x + 5)^2 = x^2 + 10x + 25$

(6) $(a - 3)(a + 3) = a^2 - 9$

展開 03

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5y - 4)^2$

(2) $(5x - 1)^2$

(3) $(2x - 7)^2$

(4) $(2y + 7)^2$

(5) $(3x + 5)^2$

(6) $(5a + 4)^2$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(2x - 3)(2x + 5)$

(2) $(3a - 4)(3a - 1)$

(3) $(5a + 2)(5a + 4)$

(4) $(5y - 2)(5y + 4)$

(5) $(2x + 7)(2x + 1)$

(6) $(2x - 1)(2x + 7)$

(7) $(5y + 1)(5y - 2)$

(8) $(3x - 2)(3x + 4)$

(9) $(3x + 5)(3x - 1)$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5a - 2)(5a + 2)$

(2) $(2a + 3)(2a - 3)$

(3) $(5a - 1)(5a + 1)$

(4) $(2x + 5)(2x - 5)$

4. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5y + 1)(5y + 4)$

(2) $(5x + 2)(5x - 4)$

(3) $(2b + 1)(2b + 5)$

(4) $(2b + 5)(2b - 3)$

(5) $(2b + 5)(2b - 5)$

(6) $(5y + 3)^2$

展開 03

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5y - 4)^2 = 25y^2 - 40y + 16$ (2) $(5x - 1)^2 = 25x^2 - 10x + 1$

(3) $(2x - 7)^2 = 4x^2 - 28x + 49$ (4) $(2y + 7)^2 = 4y^2 + 28y + 49$

(5) $(3x + 5)^2 = 9x^2 + 30x + 25$ (6) $(5a + 4)^2 = 25a^2 + 40a + 16$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(2x - 3)(2x + 5) = 4x^2 + 4x - 15$ (2) $(3a - 4)(3a - 1) = 9a^2 - 15a + 4$

(3) $\begin{aligned} &(5a + 2)(5a + 4) \\ &= 25a^2 + 30a + 8 \end{aligned}$ (4) $\begin{aligned} &(5y - 2)(5y + 4) \\ &= 25y^2 + 10y - 8 \end{aligned}$

(5) $(2x + 7)(2x + 1) = 4x^2 + 16x + 7$ (6) $(2x - 1)(2x + 7) = 4x^2 + 12x - 7$

(7) $(5y + 1)(5y - 2) = 25y^2 - 5y - 2$ (8) $(3x - 2)(3x + 4) = 9x^2 + 6x - 8$

(9) $(3x + 5)(3x - 1) = 9x^2 + 12x - 5$

3. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5a - 2)(5a + 2) = 25a^2 - 4$ (2) $(2a + 3)(2a - 3) = 4a^2 - 9$

(3) $(5a - 1)(5a + 1) = 25a^2 - 1$ (4) $(2x + 5)(2x - 5) = 4x^2 - 25$

4. 次の式を展開しなさい。 (1 問 4 点)

(1) $\begin{aligned} &(5y + 1)(5y + 4) \\ &= 25y^2 + 25y + 4 \end{aligned}$ (2) $\begin{aligned} &(5x + 2)(5x - 4) \\ &= 25x^2 - 10x - 8 \end{aligned}$

(3) $(2b + 1)(2b + 5) = 4b^2 + 12b + 5$ (4) $(2b + 5)(2b - 3) = 4b^2 + 4b - 15$

(5) $(2b + 5)(2b - 5) = 4b^2 - 25$ (6) $(5y + 3)^2 = 25y^2 + 30y + 9$

展開 04

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $3b(3b + 5c)$

(2) $-3x(x + 2y)$

(3) $-3c(c + 4)$

(4) $-2z(-3z + 4)$

(5) $p(-2p + 3q)$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5x + 3)^2$

(2) $(3x - 5)^2$

(3) $(3x - 2)^2$

(4) $(5x + 4)(5x + 1)$

(5) $(3b - 1)(3b - 2)$

(6) $(5y + 2)(5y - 2)$

(7) $(5x + 1)(5x - 1)$

(8) $(5x + 4)(5x - 3)$

(9) $(5x - 1)(5x + 3)$

(10) $(2x + 1)^2$

(11) $(2x + 3)(2x - 5)$

(12) $(3x + 1)(3x - 1)$

(13) $(5b - 1)^2$

(14) $(3x + 5)(3x - 1)$

(15) $(5x + 3)(5x - 3)$

(16) $(5a - 2)^2$

(17) $(5x + 1)(5x + 3)$

(18) $(5x + 1)(5x - 3)$

(19) $(5x - 1)(5x + 1)$

(20) $(3b - 4)(3b + 2)$

展開 04

(点) (分) (秒)

1. 次の式を展開しなさい。 (1 問 4 点)

(1) $3b(3b + 5c) \quad \mathbf{9b^2 + 15bc}$

(2) $-3x(x + 2y) \quad \mathbf{-3x^2 - 6xy}$

(3) $-3c(c + 4) \quad \mathbf{-3c^2 - 12c}$

(4) $-2z(-3z + 4) \quad \mathbf{6z^2 - 8z}$

(5) $p(-2p + 3q) \quad \mathbf{-2p^2 + 3pq}$

2. 次の式を展開しなさい。 (1 問 4 点)

(1) $(5x + 3)^2 = \mathbf{25x^2 + 30x + 9}$

(2) $(3x - 5)^2 = \mathbf{9x^2 - 30x + 25}$

(3) $(3x - 2)^2 = \mathbf{9x^2 - 12x + 4}$

(4) $(5x + 4)(5x + 1) \\ = \mathbf{25x^2 + 25x + 4}$

(5) $(3b - 1)(3b - 2) = \mathbf{9b^2 - 9b + 2}$

(6) $(5y + 2)(5y - 2) = \mathbf{25y^2 - 4}$

(7) $(5x + 1)(5x - 1) = \mathbf{25x^2 - 1}$

(8) $(5x + 4)(5x - 3) \\ = \mathbf{25x^2 + 5x - 12}$

(9) $(5x - 1)(5x + 3) \\ = \mathbf{25x^2 + 10x - 3}$

(10) $(2x + 1)^2 = \mathbf{4x^2 + 4x + 1}$

(11) $(2x + 3)(2x - 5) = \mathbf{4x^2 - 4x - 15}$ (12) $(3x + 1)(3x - 1) = \mathbf{9x^2 - 1}$

(13) $(5b - 1)^2 = \mathbf{25b^2 - 10b + 1}$

(14) $(3x + 5)(3x - 1) = \mathbf{9x^2 + 12x - 5}$

(15) $(5x + 3)(5x - 3) = \mathbf{25x^2 - 9}$

(16) $(5a - 2)^2 = \mathbf{25a^2 - 20a + 4}$

(17) $(5x + 1)(5x + 3) \\ = \mathbf{25x^2 + 20x + 3}$

(18) $(5x + 1)(5x - 3) \\ = \mathbf{25x^2 - 10x - 3}$

(19) $(5x - 1)(5x + 1) = \mathbf{25x^2 - 1}$

(20) $(3b - 4)(3b + 2) = \mathbf{9b^2 - 6b - 8}$

– 展開 05 –

展開 05

(点) (分) (秒)

次の式を展開しなさい。(1問5点)

(1) $(b - 1)(b + 1)$

(2) $(a + \frac{2}{3})(a - 4)$

(3) $(b - 2)^2$

(4) $(a + 1)(a - 2)$

(5) $(x - 2)(x + 3)$

(6) $(x - 3)(x - 2)$

(7) $(x - \frac{4}{3})(x + 1)$

(8) $(x - \frac{3}{5})(x + \frac{3}{5})$

(9) $(a + \frac{1}{5})(a + \frac{3}{2})$

(10) $(x + \frac{7}{5})(x + \frac{5}{2})$

(11) $(2x + \frac{8}{3})^2$

(12) $(3y - \frac{3}{2})(3y + 3)$

(13) $(2a + \frac{3}{2})^2$

(14) $(3a + \frac{3}{2})(3a + 1)$

(15) $(5y + \frac{8}{3})(5y + \frac{3}{2})$

(16) $(4a - \frac{7}{4})^2$

(17) $(2a + \frac{5}{3})(2a - \frac{5}{3})$

(18) $(5y + \frac{4}{3})(5y - \frac{4}{3})$

(19) $(2x - \frac{3}{2})(2x + \frac{3}{2})$

(20) $(4a - \frac{7}{3})(4a + \frac{7}{3})$

– 展開 05 –

展開 05

(点) (分) (秒)

次の式を展開しなさい。(1問5点)

$$(1) (b-1)(b+1) = b^2 - 1$$

$$(2) \left(a + \frac{2}{3}\right)(a-4) = a^2 - \frac{10}{3}a - \frac{8}{3}$$

$$(3) (b-2)^2 = b^2 - 4b + 4$$

$$(4) (a+1)(a-2) = a^2 - a - 2$$

$$(5) (x-2)(x+3) = x^2 + x - 6$$

$$(6) (x-3)(x-2) = x^2 - 5x + 6$$

$$(7) \left(x - \frac{4}{3}\right)(x+1) = x^2 - \frac{1}{3}x - \frac{4}{3} \quad (8) \left(x - \frac{3}{5}\right)\left(x + \frac{3}{5}\right) = x^2 - \frac{9}{25}$$

$$(9) \left(a + \frac{1}{5}\right)\left(a + \frac{3}{2}\right) = a^2 + \frac{17}{10}a + \frac{3}{10}$$

$$(10) \left(x + \frac{7}{5}\right)\left(x + \frac{5}{2}\right) = x^2 + \frac{39}{10}x + \frac{7}{2}$$

$$(11) \left(2x + \frac{8}{3}\right)^2 = 4x^2 + \frac{32}{3}x + \frac{64}{9}$$

$$(12) \left(3y - \frac{3}{2}\right)\left(3y + 3\right) = 9y^2 + \frac{9}{2}y - \frac{9}{2}$$

$$(13) \left(2a + \frac{3}{2}\right)^2 = 4a^2 + 6a + \frac{9}{4}$$

$$(14) \left(3a + \frac{3}{2}\right)\left(3a + 1\right) = 9a^2 + \frac{15}{2}a + \frac{3}{2}$$

$$(15) \left(5y + \frac{8}{3}\right)\left(5y + \frac{3}{2}\right) = 25y^2 + \frac{125}{6}y + 4$$

$$(16) \left(4a - \frac{7}{4}\right)^2 = 16a^2 - 14a + \frac{49}{16}$$

$$(17) \left(2a + \frac{5}{3}\right)\left(2a - \frac{5}{3}\right) = 4a^2 - \frac{25}{9}$$

$$(18) \left(5y + \frac{4}{3}\right)\left(5y - \frac{4}{3}\right) = 25y^2 - \frac{16}{9}$$

$$(19) \left(2x - \frac{3}{2}\right)\left(2x + \frac{3}{2}\right) = 4x^2 - \frac{9}{4}$$

$$(20) \left(4a - \frac{7}{3}\right)\left(4a + \frac{7}{3}\right) = 16a^2 - \frac{49}{9}$$

因数分解 01

(点) (分) (秒)

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $-3z^2 - 4z$

(2) $2b^2 - 2b$

(3) $-z^2 + 5z$

(4) $-b^2 + b$

(5) $-4x^2 + 20x$

(6) $3m^2 - 4m$

(7) $-3x^2 - 3x$

(8) $-2b^2 + 2b$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $9x^2 - 6xy$

(2) $-3m^2 - 9mn$

(3) $p^2 + 3pq$

(4) $-y^2 - 2yz$

(5) $a^2 + ab$

(6) $-2y^2 - 2yz$

(7) $-12b^2 - 15bc$

(8) $3x^2 + 5xy$

3. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $-12m^2 - 9m$

(2) $-3m^2 + 15m$

(3) $-3x^2 - 3xy$

(4) $-3y^2 - 9yz$

(5) $-x^2 - xy$

(6) $-4y^2 - 8yz$

(7) $-9n^2 - 6n$

(8) $16n^2 + 20n$

(9) $-12a^2 - 15ab$

1. 次の式を因数分解しなさい。 (1 間 4 点)

(1) $-3z^2 - 4z \quad -z(3z + 4)$

(2) $2b^2 - 2b \quad 2b(b - 1)$

(3) $-z^2 + 5z \quad -z(z - 5)$

(4) $-b^2 + b \quad -b(b - 1)$

(5) $-4x^2 + 20x \quad -4x(x - 5)$

(6) $3m^2 - 4m \quad -m(-3m + 4)$

(7) $-3x^2 - 3x \quad 3x(-x - 1)$

(8) $-2b^2 + 2b \quad 2b(-b + 1)$

2. 次の式を因数分解しなさい。 (1 間 4 点)

(1) $9x^2 - 6xy \quad 3x(3x - 2y)$

(2) $-3m^2 - 9mn \quad -3m(m + 3n)$

(3) $p^2 + 3pq \quad p(p + 3q)$

(4) $-y^2 - 2yz \quad -y(y + 2z)$

(5) $a^2 + ab \quad a(a + b)$

(6) $-2y^2 - 2yz \quad -2y(y + z)$

(7) $-12b^2 - 15bc \quad -3b(4b + 5c)$

(8) $3x^2 + 5xy \quad x(3x + 5y)$

3. 次の式を因数分解しなさい。 (1 間 4 点)

(1) $-12m^2 - 9m \quad -3m(4m + 3)$

(2) $-3m^2 + 15m \quad -3m(m - 5)$

(3) $-3x^2 - 3xy \quad -3x(x + y)$

(4) $-3y^2 - 9yz \quad -3y(y + 3z)$

(5) $-x^2 - xy \quad -x(x + y)$

(6) $-4y^2 - 8yz \quad -4y(y + 2z)$

(7) $-9n^2 - 6n \quad -3n(3n + 2)$

(8) $16n^2 + 20n \quad -4n(-4n - 5)$

(9) $-12a^2 - 15ab \quad -3a(4a + 5b)$

– 因数分解 02 –

因数分解 02

(点) (分) (秒)

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 6x + 9$

(2) $x^2 - 4x + 4$

(3) $a^2 - 10a + 25$

(4) $b^2 + 10b + 25$

(5) $x^2 - 4x + 4$

(6) $x^2 - 12x + 36$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $a^2 - 2a - 15$

(2) $a^2 - a - 12$

(3) $b^2 + 5b + 6$

(4) $x^2 + 4x - 5$

(5) $b^2 - 15b + 54$

(6) $x^2 - 14x + 45$

(7) $x^2 - 2x - 8$

(8) $x^2 + 7x - 18$

(9) $a^2 + 6a - 16$

3. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $b^2 - 9$

(2) $x^2 - 9$

(3) $y^2 - 9$

(4) $x^2 - 81$

4. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 25$

(2) $b^2 - 3b - 10$

(3) $a^2 - 9$

(4) $x^2 + 18x + 81$

(5) $x^2 - 14x + 49$

(6) $a^2 - 2a - 63$

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 6x + 9 \quad (\mathbf{x} - 3)^2$

(2) $x^2 - 4x + 4 \quad (\mathbf{x} - 2)^2$

(3) $a^2 - 10a + 25 \quad (\mathbf{a} - 5)^2$

(4) $b^2 + 10b + 25 \quad (\mathbf{b} + 5)^2$

(5) $x^2 - 4x + 4 \quad (\mathbf{x} - 2)^2$

(6) $x^2 - 12x + 36 \quad (\mathbf{x} - 6)^2$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $a^2 - 2a - 15 \quad (\mathbf{a} - 5)(\mathbf{a} + 3)$

(2) $a^2 - a - 12 \quad (\mathbf{a} - 4)(\mathbf{a} + 3)$

(3) $b^2 + 5b + 6 \quad (\mathbf{b} + 2)(\mathbf{b} + 3)$

(4) $x^2 + 4x - 5 \quad (\mathbf{x} + 5)(\mathbf{x} - 1)$

(5) $b^2 - 15b + 54 \quad (\mathbf{b} - 9)(\mathbf{b} - 6)$

(6) $x^2 - 14x + 45 \quad (\mathbf{x} - 9)(\mathbf{x} - 5)$

(7) $x^2 - 2x - 8 \quad (\mathbf{x} + 2)(\mathbf{x} - 4)$

(8) $x^2 + 7x - 18 \quad (\mathbf{x} - 2)(\mathbf{x} + 9)$

(9) $a^2 + 6a - 16 \quad (\mathbf{a} + 8)(\mathbf{a} - 2)$

3. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $b^2 - 9 \quad (\mathbf{b} + 3)(\mathbf{b} - 3)$

(2) $x^2 - 9 \quad (\mathbf{x} - 3)(\mathbf{x} + 3)$

(3) $y^2 - 9 \quad (\mathbf{y} - 3)(\mathbf{y} + 3)$

(4) $x^2 - 81 \quad (\mathbf{x} + 9)(\mathbf{x} - 9)$

4. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 25 \quad (\mathbf{x} + 5)(\mathbf{x} - 5)$

(2) $b^2 - 3b - 10 \quad (\mathbf{b} + 2)(\mathbf{b} - 5)$

(3) $a^2 - 9 \quad (\mathbf{a} + 3)(\mathbf{a} - 3)$

(4) $x^2 + 18x + 81 \quad (\mathbf{x} + 9)^2$

(5) $x^2 - 14x + 49 \quad (\mathbf{x} - 7)^2$

(6) $a^2 - 2a - 63 \quad (\mathbf{a} - 9)(\mathbf{a} + 7)$

因数分解 03

(点) (分) (秒)

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $9b^2 - 30b + 25$

(2) $9y^2 + 6y + 1$

(3) $25b^2 - 20b + 4$

(4) $9y^2 + 24y + 16$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 + 7x + 12$

(2) $a^2 + 7a - 8$

(3) $x^2 - 11x + 28$

(4) $b^2 - 7b + 10$

(5) $y^2 + 5y - 36$

(6) $y^2 + 2y - 24$

3. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $25x^2 - 16$

(2) $4a^2 - 9$

(3) $4a^2 - 1$

(4) $25a^2 - 9$

4. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 17x + 72$

(2) $x^2 + 11x + 28$

(3) $25y^2 - 10y + 1$

(4) $a^2 - 3a - 10$

(5) $9a^2 - 24a + 16$

(6) $25x^2 + 20x + 4$

(7) $x^2 - 11x + 30$

(8) $x^2 + 3x - 10$

(9) $a^2 + 8a + 7$

(10) $x^2 + 12x + 32$

(11) $25a^2 + 30a + 9$

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $9b^2 - 30b + 25 \quad (\mathbf{3b} - 5)^2$

(2) $9y^2 + 6y + 1 \quad (\mathbf{3y} + 1)^2$

(3) $25b^2 - 20b + 4 \quad (\mathbf{5b} - 2)^2$

(4) $9y^2 + 24y + 16 \quad (\mathbf{3y} + 4)^2$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 + 7x + 12 \quad (\mathbf{x} + 4)(\mathbf{x} + 3)$

(2) $a^2 + 7a - 8 \quad (\mathbf{a} + 8)(\mathbf{a} - 1)$

(3) $x^2 - 11x + 28 \quad (\mathbf{x} - 7)(\mathbf{x} - 4)$

(4) $b^2 - 7b + 10 \quad (\mathbf{b} - 2)(\mathbf{b} - 5)$

(5) $y^2 + 5y - 36 \quad (\mathbf{y} + 9)(\mathbf{y} - 4)$

(6) $y^2 + 2y - 24 \quad (\mathbf{y} - 4)(\mathbf{y} + 6)$

3. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $25x^2 - 16 \quad (\mathbf{5x} - 4)(\mathbf{5x} + 4)$

(2) $4a^2 - 9 \quad (\mathbf{2a} - 3)(\mathbf{2a} + 3)$

(3) $4a^2 - 1 \quad (\mathbf{2a} + 1)(\mathbf{2a} - 1)$

(4) $25a^2 - 9 \quad (\mathbf{5a} - 3)(\mathbf{5a} + 3)$

4. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $x^2 - 17x + 72 \quad (\mathbf{x} - 8)(\mathbf{x} - 9)$

(2) $x^2 + 11x + 28 \quad (\mathbf{x} + 7)(\mathbf{x} + 4)$

(3) $25y^2 - 10y + 1 \quad (\mathbf{5y} - 1)^2$

(4) $a^2 - 3a - 10 \quad (\mathbf{a} - 5)(\mathbf{a} + 2)$

(5) $9a^2 - 24a + 16 \quad (\mathbf{3a} - 4)^2$

(6) $25x^2 + 20x + 4 \quad (\mathbf{5x} + 2)^2$

(7) $x^2 - 11x + 30 \quad (\mathbf{x} - 5)(\mathbf{x} - 6)$

(8) $x^2 + 3x - 10 \quad (\mathbf{x} + 5)(\mathbf{x} - 2)$

(9) $a^2 + 8a + 7 \quad (\mathbf{a} + 7)(\mathbf{a} + 1)$

(10) $x^2 + 12x + 32 \quad (\mathbf{x} + 8)(\mathbf{x} + 4)$

(11) $25a^2 + 30a + 9 \quad (\mathbf{5a} + 3)^2$

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $2a^2 + 4ab$

(2) $-3b^2 - 3b$

(3) $-y^2 + 4yz$

(4) $2x^2 - 3xy$

(5) $6m^2 + 4m$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $4y^2 - 49$

(2) $x^2 + 2x - 15$

(3) $y^2 + 9y + 20$

(4) $x^2 - 10x + 21$

(5) $a^2 - 3a - 18$

(6) $x^2 - 10x + 9$

(7) $y^2 + 7y + 12$

(8) $9b^2 - 4$

(9) $x^2 + 3x - 54$

(10) $x^2 + 5x + 4$

(11) $x^2 + 9x + 18$

(12) $x^2 + 14x + 45$

(13) $9x^2 - 25$

(14) $9y^2 + 12y + 4$

(15) $y^2 + 11y + 18$

(16) $x^2 - 3x - 18$

(17) $y^2 + 10y + 16$

(18) $9x^2 + 24x + 16$

(19) $9a^2 - 16$

(20) $y^2 + 2y - 8$

1. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $2a^2 + 4ab \quad \mathbf{2a(a + 2b)}$

(2) $-3b^2 - 3b \quad \mathbf{-3b(b + 1)}$

(3) $-y^2 + 4yz \quad \mathbf{-y(y - 4z)}$

(4) $2x^2 - 3xy \quad \mathbf{x(2x - 3y)}$

(5) $6m^2 + 4m \quad \mathbf{2m(3m + 2)}$

2. 次の式を因数分解しなさい。 (1 問 4 点)

(1) $4y^2 - 49 \quad \mathbf{(2y + 7)(2y - 7)}$

(2) $x^2 + 2x - 15 \quad \mathbf{(x - 3)(x + 5)}$

(3) $y^2 + 9y + 20 \quad \mathbf{(y + 5)(y + 4)}$

(4) $x^2 - 10x + 21 \quad \mathbf{(x - 3)(x - 7)}$

(5) $a^2 - 3a - 18 \quad \mathbf{(a + 3)(a - 6)}$

(6) $x^2 - 10x + 9 \quad \mathbf{(x - 1)(x - 9)}$

(7) $y^2 + 7y + 12 \quad \mathbf{(y + 3)(y + 4)}$

(8) $9b^2 - 4 \quad \mathbf{(3b - 2)(3b + 2)}$

(9) $x^2 + 3x - 54 \quad \mathbf{(x + 9)(x - 6)}$

(10) $x^2 + 5x + 4 \quad \mathbf{(x + 4)(x + 1)}$

(11) $x^2 + 9x + 18 \quad \mathbf{(x + 6)(x + 3)}$

(12) $x^2 + 14x + 45 \quad \mathbf{(x + 5)(x + 9)}$

(13) $9x^2 - 25 \quad \mathbf{(3x - 5)(3x + 5)}$

(14) $9y^2 + 12y + 4 \quad \mathbf{(3y + 2)^2}$

(15) $y^2 + 11y + 18 \quad \mathbf{(y + 2)(y + 9)}$

(16) $x^2 - 3x - 18 \quad \mathbf{(x - 6)(x + 3)}$

(17) $y^2 + 10y + 16 \quad \mathbf{(y + 2)(y + 8)}$

(18) $9x^2 + 24x + 16 \quad \mathbf{(3x + 4)^2}$

(19) $9a^2 - 16 \quad \mathbf{(3a + 4)(3a - 4)}$

(20) $y^2 + 2y - 8 \quad \mathbf{(y + 4)(y - 2)}$

– 2 次方程式 01 –

2 次方程式 01

(点) (分) (秒)

次の 2 次方程式を解きなさい。 (1 問 5 点)

(1) $a^2 = 3$

(2) $x^2 = 16$

(3) $x^2 = 30$

(4) $x^2 = 81$

(5) $x^2 = 49$

(6) $x^2 = 36$

(7) $x^2 - 5x - 6 = 0$

(8) $a^2 + 10a + 9 = 0$

(9) $a^2 + 7a = 0$

(10) $x^2 + 10x + 9 = 0$

(11) $x^2 - 12x + 11 = 0$

(12) $x^2 - 8x - 20 = 0$

(13) $a^2 + 10a + 16 = 0$

(14) $x^2 - 8x + 16 = 0$

(15) $x^2 - 3x - 18 = 0$

(16) $x^2 - 12x + 20 = 0$

(17) $x^2 + 12x + 11 = 0$

(18) $a^2 - 8a + 15 = 0$

(19) $a^2 - 10a - 11 = 0$

(20) $x^2 + 9x + 14 = 0$

- 2 次方程式 01 -

2 次方程式 01

(点) (分) (秒)

次の 2 次方程式を解きなさい。 (1 問 5 点)

(1) $a^2 = 3$

(2) $x^2 = 16$

(3) $x^2 = 30$

$\mathbf{a} = \pm\sqrt{3}$

(4) $x^2 = 81$

$\mathbf{x} = \pm 4$

(5) $x^2 = 49$

$\mathbf{x} = \pm\sqrt{30}$

(6) $x^2 = 36$

$\mathbf{x} = \pm 9$

$\mathbf{x} = \pm 7$

$\mathbf{x} = \pm 6$

(7) $x^2 - 5x - 6 = 0$

(8) $a^2 + 10a + 9 = 0$

$\mathbf{x} = 6, -1$

$\mathbf{a} = -9, -1$

(9) $a^2 + 7a = 0$

(10) $x^2 + 10x + 9 = 0$

$\mathbf{a} = 0, -7$

$\mathbf{x} = -9, -1$

(11) $x^2 - 12x + 11 = 0$

(12) $x^2 - 8x - 20 = 0$

$\mathbf{x} = 11, 1$

$\mathbf{x} = 10, -2$

(13) $a^2 + 10a + 16 = 0$

(14) $x^2 - 8x + 16 = 0$

$\mathbf{a} = -8, -2$

$\mathbf{x} = 4$

(15) $x^2 - 3x - 18 = 0$

(16) $x^2 - 12x + 20 = 0$

$\mathbf{x} = 6, -3$

$\mathbf{x} = 10, 2$

(17) $x^2 + 12x + 11 = 0$

(18) $a^2 - 8a + 15 = 0$

$\mathbf{x} = -11, -1$

$\mathbf{a} = 5, 3$

(19) $a^2 - 10a - 11 = 0$

(20) $x^2 + 9x + 14 = 0$

$\mathbf{a} = -1, 11$

$\mathbf{x} = -7, -2$

– 2 次方程式 02 –

2 次方程式 02

(/16) (分 秒)

次の 2 次方程式を解きなさい。

(1) $a^2 = 29$

(2) $x^2 = 17$

(3) $a^2 = 26$

(4) $x^2 - 49 = 0$

(5) $a^2 - 13 = 0$

(6) $x^2 - 20 = 0$

(7) $12x = -x^2 - 11$

(8) $a^2 + 8a = 9$

(9) $x^2 + 4x = 5$

(10) $x^2 + 7x = -10$

(11) $x^2 + 8x + 12 = 0$

(12) $-7x = -x^2 + 8$

(13) $x^2 = 12x - 20$

(14) $a^2 + 10a + 9 = 0$

(15) $a^2 + 5a = 0$

(16) $7x = -x^2 + 8$

– 2 次方程式 02 –

2 次方程式 02

(/16) (分 秒)

次の 2 次方程式を解きなさい。

(1) $a^2 = 29$

(2) $x^2 = 17$

(3) $a^2 = 26$

$\mathbf{a} = \pm\sqrt{29}$
(4) $x^2 - 49 = 0$

$\mathbf{x} = \pm\sqrt{17}$
(5) $a^2 - 13 = 0$

$\mathbf{a} = \pm\sqrt{26}$
(6) $x^2 - 20 = 0$

$\mathbf{x} = \pm 7$

$\mathbf{a} = \pm\sqrt{13}$

$\mathbf{x} = \pm 2\sqrt{5}$

(7) $12x = -x^2 - 11$

(8) $a^2 + 8a = 9$

$\mathbf{x} = -11, -1$

$\mathbf{a} = -9, 1$

(9) $x^2 + 4x = 5$

(10) $x^2 + 7x = -10$

$\mathbf{x} = -5, 1$

$\mathbf{x} = -5, -2$

(11) $x^2 + 8x + 12 = 0$

(12) $-7x = -x^2 + 8$

$\mathbf{x} = -2, -6$

$\mathbf{x} = 8, -1$

(13) $x^2 = 12x - 20$

(14) $a^2 + 10a + 9 = 0$

$\mathbf{x} = 10, 2$

$\mathbf{a} = -9, -1$

(15) $a^2 + 5a = 0$

(16) $7x = -x^2 + 8$

$\mathbf{a} = 0, -5$

$\mathbf{x} = -8, 1$

– 2 次方程式 03 –

2 次方程式 03

(点) (分) (秒)

次の 2 次方程式を解きなさい。 (1 問 10 点)

$$(1) \frac{1}{6}a^2 - \frac{2}{3}a - \frac{5}{6} = 0$$

$$(2) \frac{3}{4}x^2 - \frac{9}{2}x - 12 = 0$$

$$(3) \frac{1}{3}x^2 + 3x + \frac{8}{3} = 0$$

$$(4) \frac{1}{6}a^2 - \frac{1}{2}a - 3 = 0$$

$$(5) \frac{1}{3}a^2 + \frac{8}{3}a = -5$$

$$(6) \frac{1}{2}x^2 = -5x - 8$$

$$(7) \frac{1}{3}x^2 + 2x + \frac{5}{3} = 0$$

$$(8) \frac{1}{2}x^2 + x - 4 = 0$$

$$(9) \frac{1}{4}x^2 - 2x - \frac{9}{4} = 0$$

$$(10) -\frac{3}{2}x = \frac{1}{2}x^2$$

2 次方程式 03

(点) (分) (秒)

次の 2 次方程式を解きなさい。 (1 問 10 点)

$$(1) \frac{1}{6}a^2 - \frac{2}{3}a - \frac{5}{6} = 0$$

$$a = 5, -1$$

$$(2) \frac{3}{4}x^2 - \frac{9}{2}x - 12 = 0$$

$$x = 8, -2$$

$$(3) \frac{1}{3}x^2 + 3x + \frac{8}{3} = 0$$

$$x = -1, -8$$

$$(4) \frac{1}{6}a^2 - \frac{1}{2}a - 3 = 0$$

$$a = 6, -3$$

$$(5) \frac{1}{3}a^2 + \frac{8}{3}a = -5$$

$$a = -5, -3$$

$$(6) \frac{1}{2}x^2 = -5x - 8$$

$$x = -8, -2$$

$$(7) \frac{1}{3}x^2 + 2x + \frac{5}{3} = 0$$

$$x = -1, -5$$

$$(8) \frac{1}{2}x^2 + x - 4 = 0$$

$$x = 2, -4$$

$$(9) \frac{1}{4}x^2 - 2x - \frac{9}{4} = 0$$

$$x = 9, -1$$

$$(10) -\frac{3}{2}x = \frac{1}{2}x^2$$

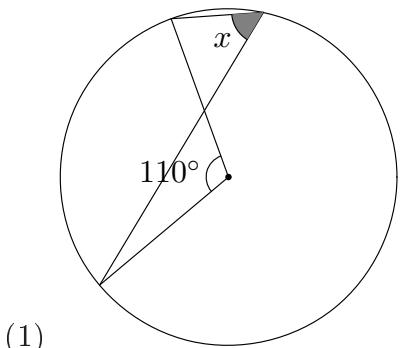
$$x = 0, -3$$

- 円周角 01 -

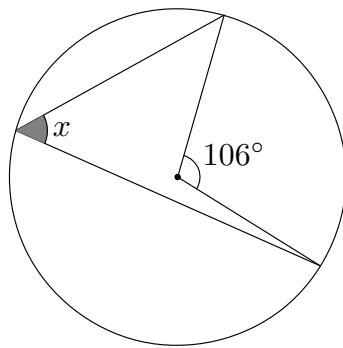
円周角 01

名前 () 得点 (/12)

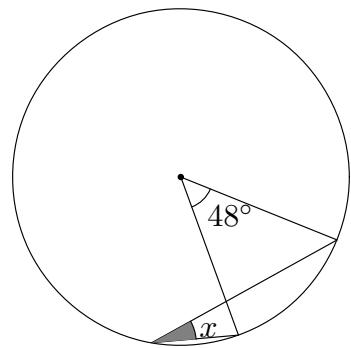
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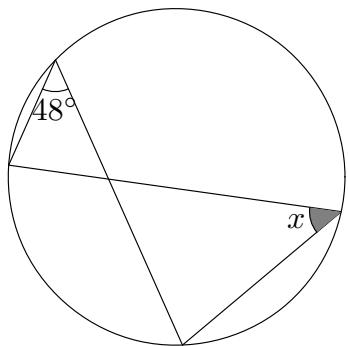
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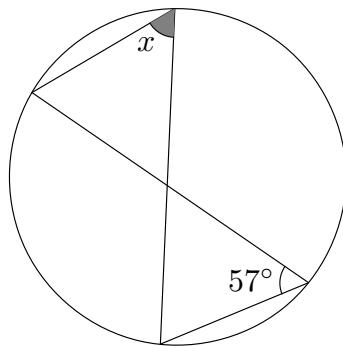
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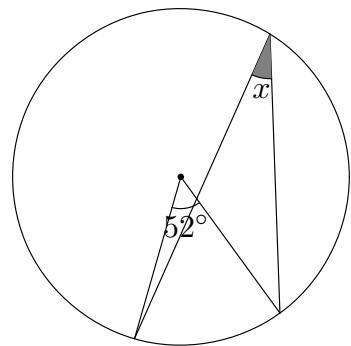
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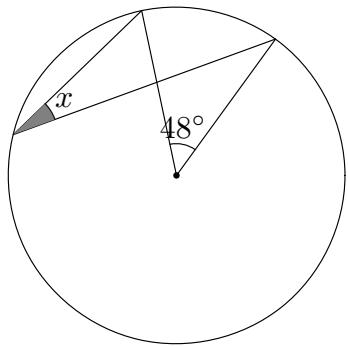
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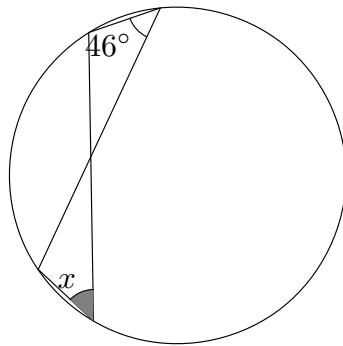
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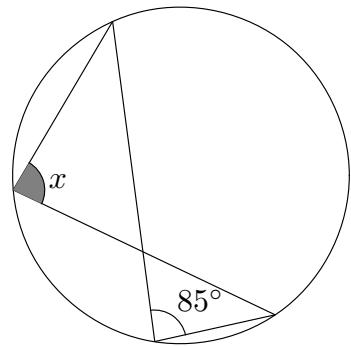
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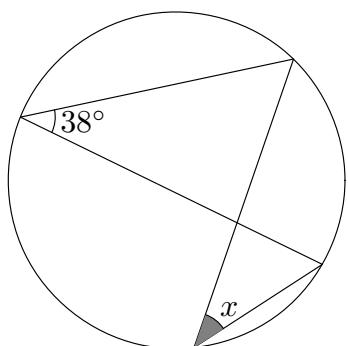
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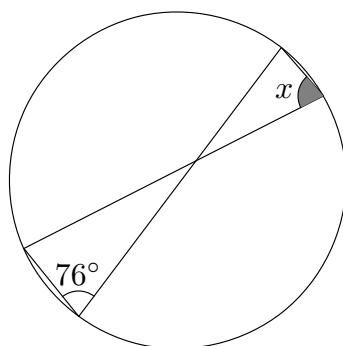
(8)



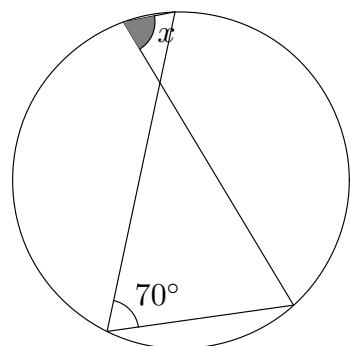
(9)



(10)



(11)



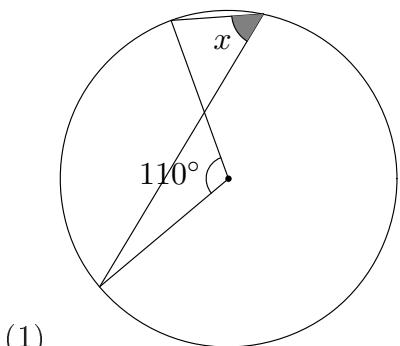
(12)

- 円周角 01 -

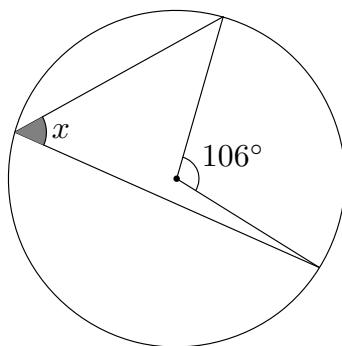
円周角 01

名前 () 得点 (/12)

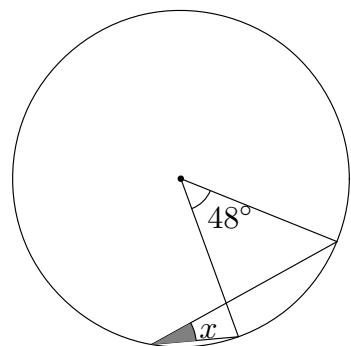
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(1)

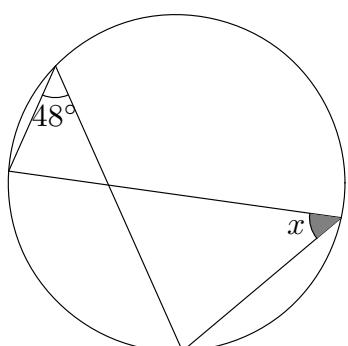


(2)



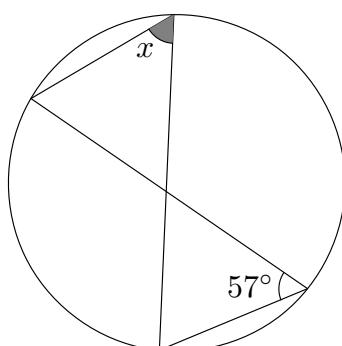
(3)

$$x = 55^\circ$$



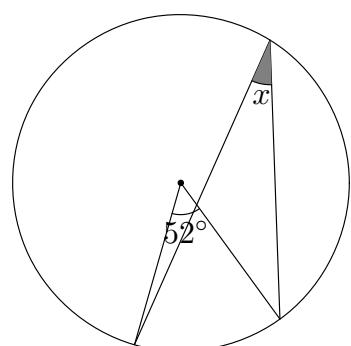
(4)

$$x = 53^\circ$$



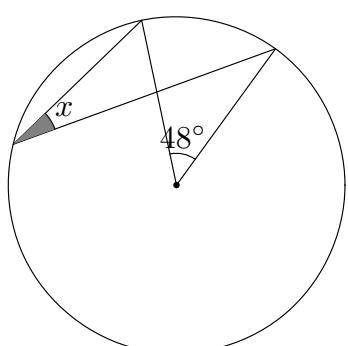
(5)

$$x = 24^\circ$$



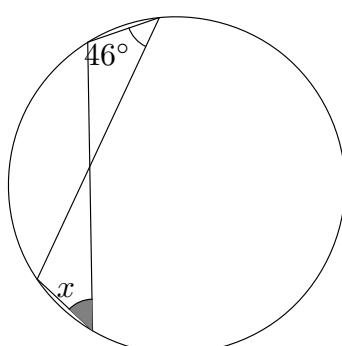
(6)

$$x = 48^\circ$$



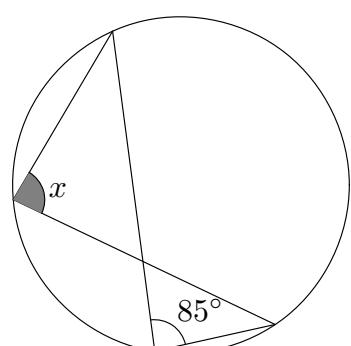
(7)

$$x = 57^\circ$$



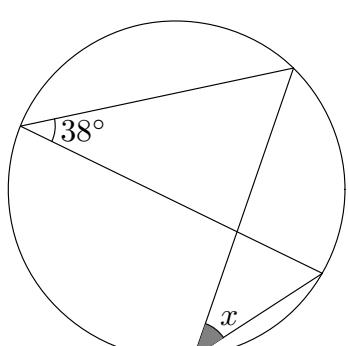
(8)

$$x = 26^\circ$$



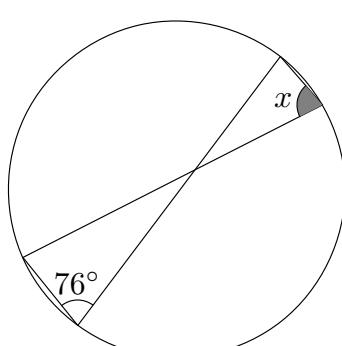
(9)

$$x = 24^\circ$$



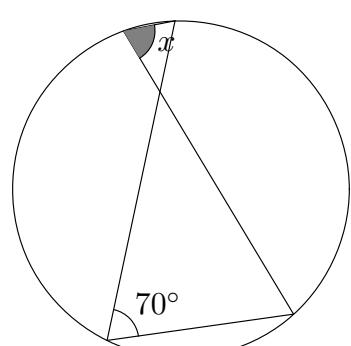
(10)

$$x = 46^\circ$$



(11)

$$x = 85^\circ$$



(12)

$$x = 38^\circ$$

$$x = 76^\circ$$

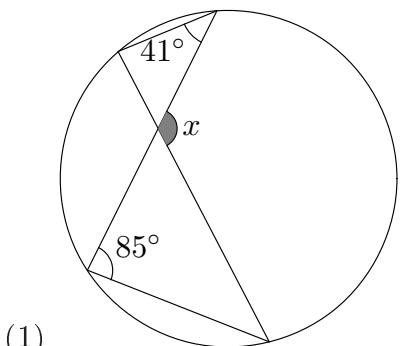
$$x = 70^\circ$$

- 円周角 02 -

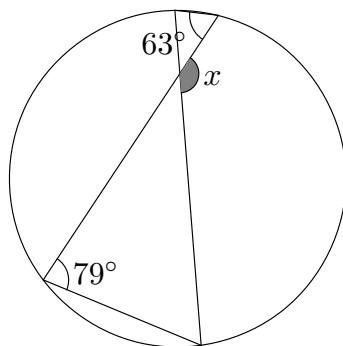
円周角 02

名前 () 得点 (/12)

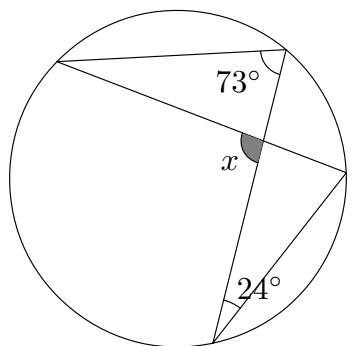
次の角 $\angle x$ の大きさを求めなさい。



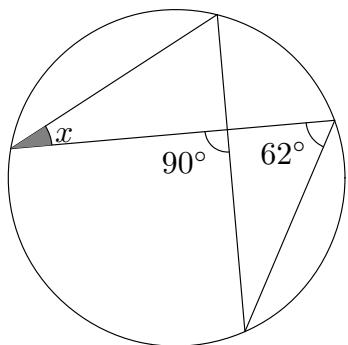
(1)



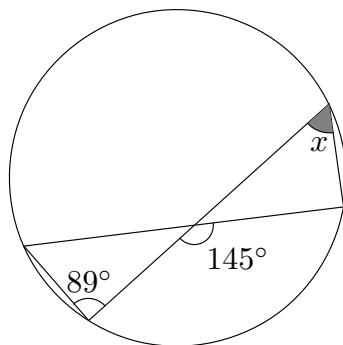
(2)



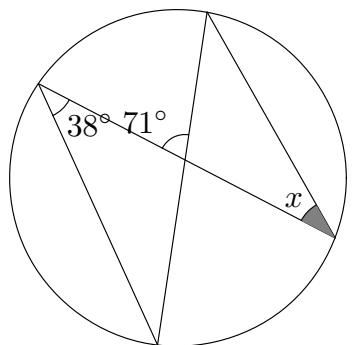
(3)



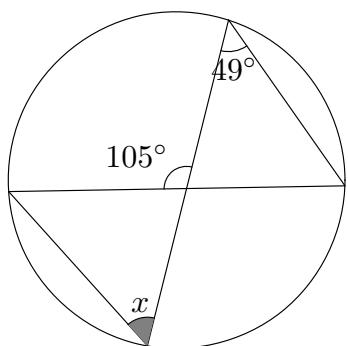
(4)



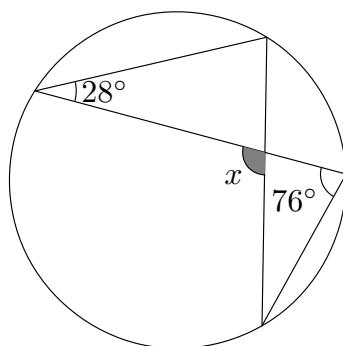
(5)



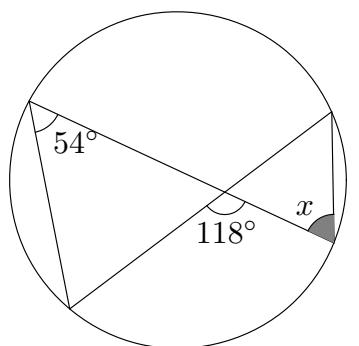
(6)



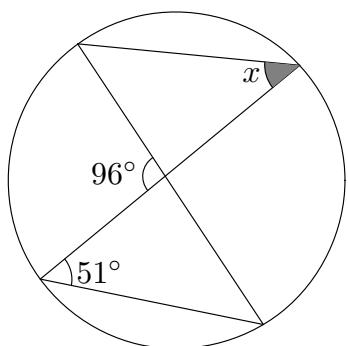
(7)



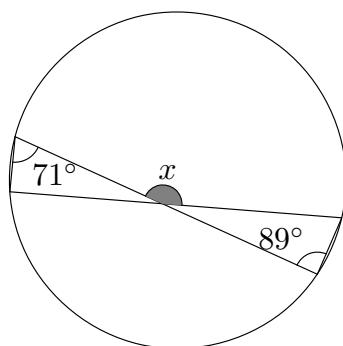
(8)



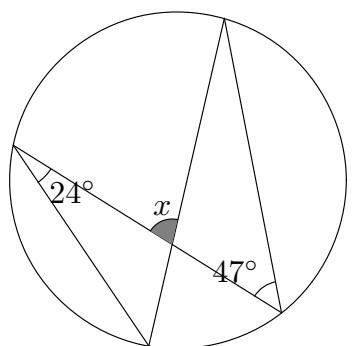
(9)



(10)



(11)



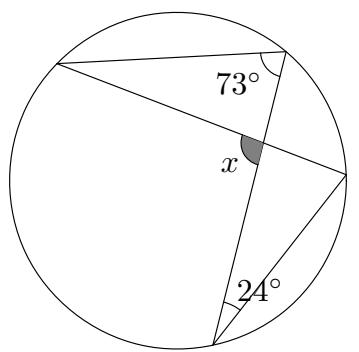
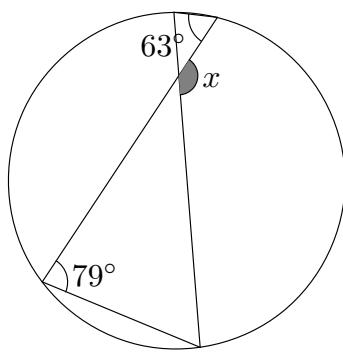
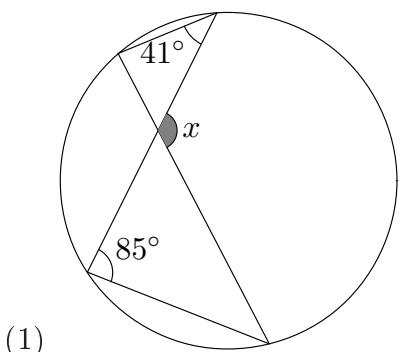
(12)

- 円周角 02 -

円周角 02

名前 () 得点 (/12)

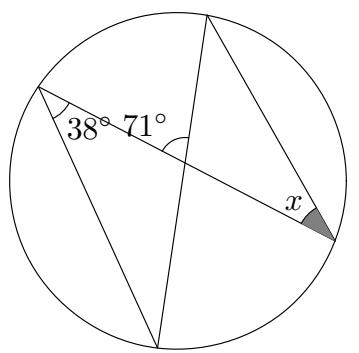
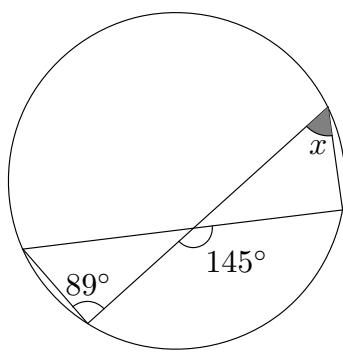
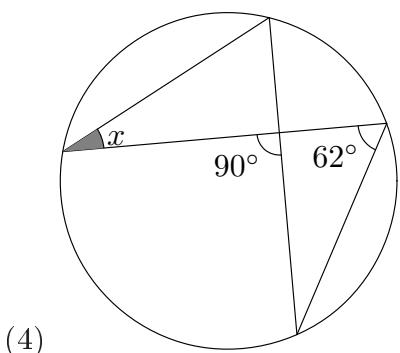
次の角 $\angle x$ の大きさを求めなさい。



$$x = 126^\circ$$

$$x = 142^\circ$$

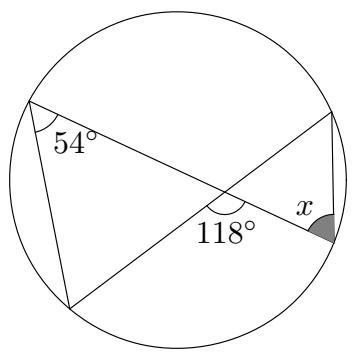
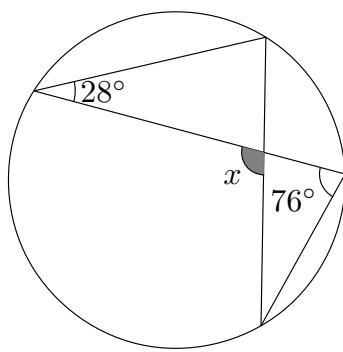
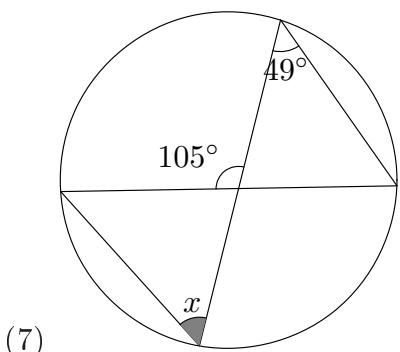
$$x = 97^\circ$$



$$x = 28^\circ$$

$$x = 56^\circ$$

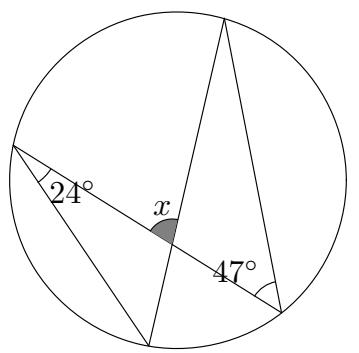
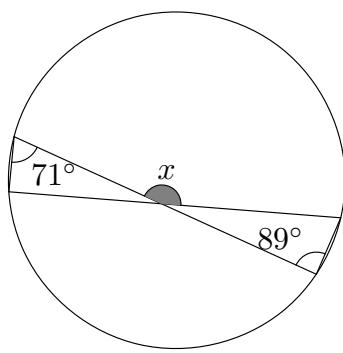
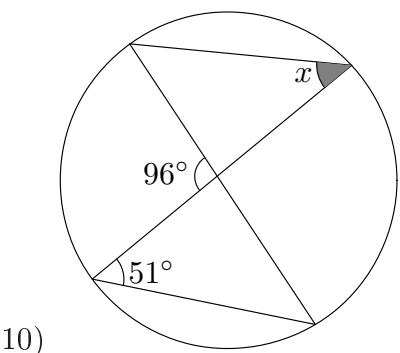
$$x = 33^\circ$$



$$x = 56^\circ$$

$$x = 104^\circ$$

$$x = 64^\circ$$



$$x = 45^\circ$$

$$x = 160^\circ$$

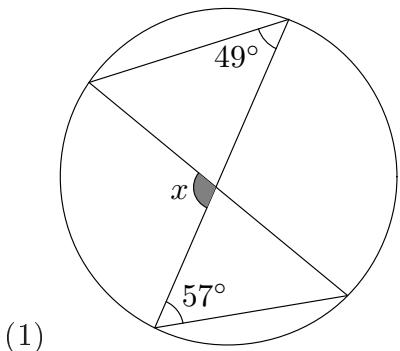
$$x = 71^\circ$$

- 円周角 03 -

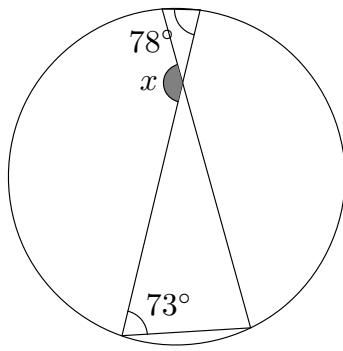
円周角 03

名前 () 得点 (/12)

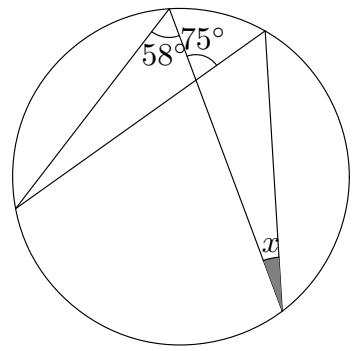
次の角 $\angle x$ の大きさを求めなさい。



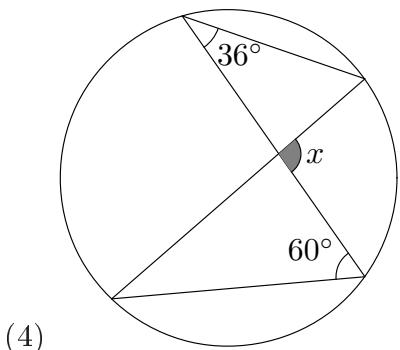
(1)



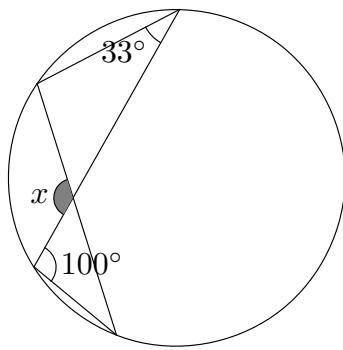
(2)



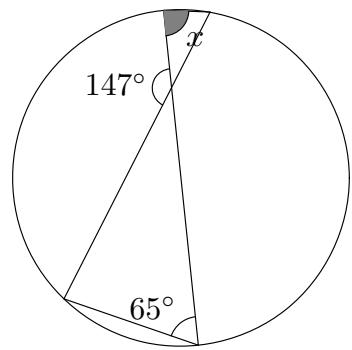
(3)



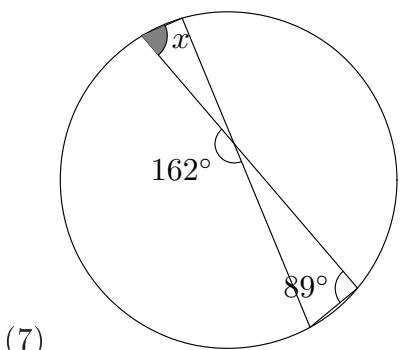
(4)



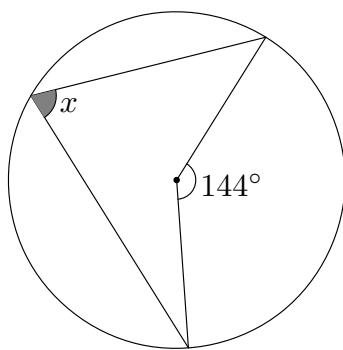
(5)



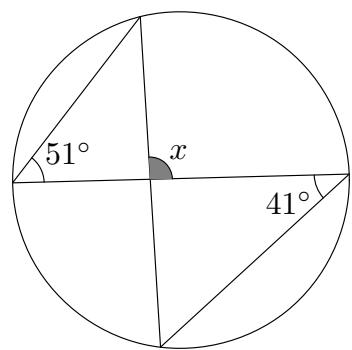
(6)



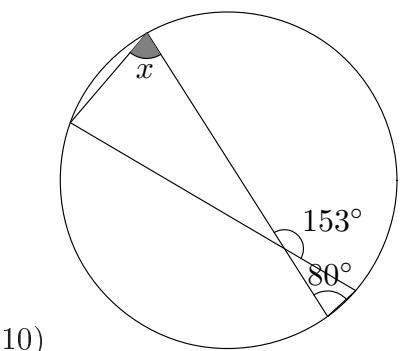
(7)



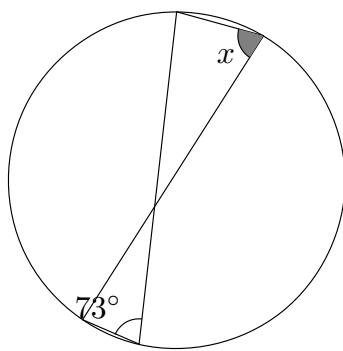
(8)



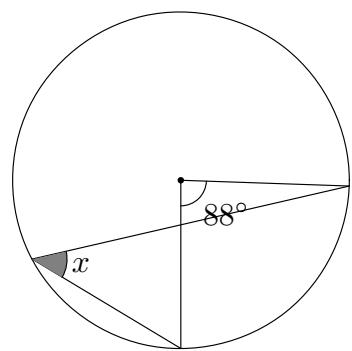
(9)



(10)



(11)



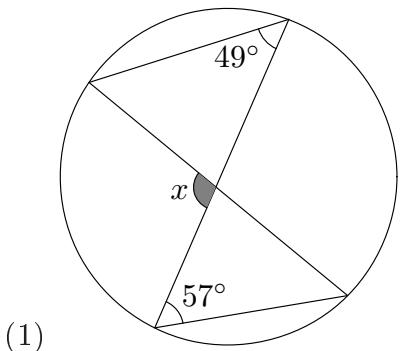
(12)

– 円周角 03 –

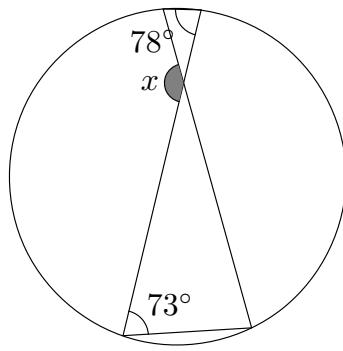
円周角 03

名前 () 得点 (/12)

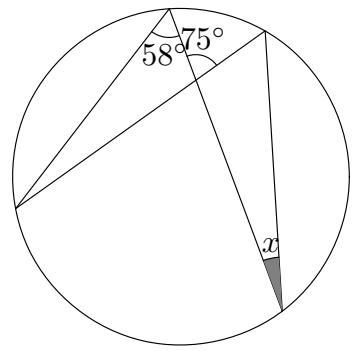
次の角 $\angle x$ の大きさを求めなさい。



(1)

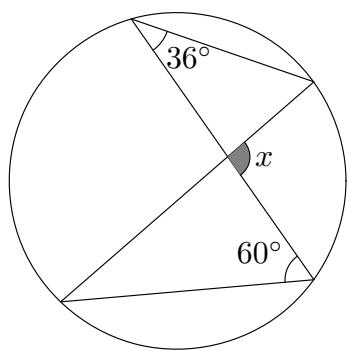


(2)



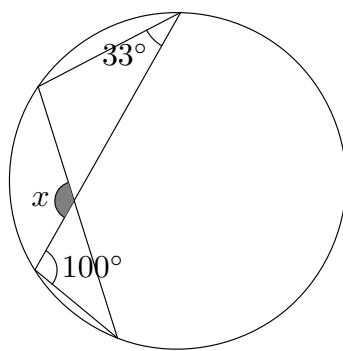
(3)

$$x = 106^\circ$$



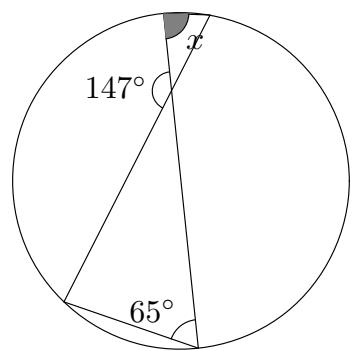
(4)

$$x = 151^\circ$$



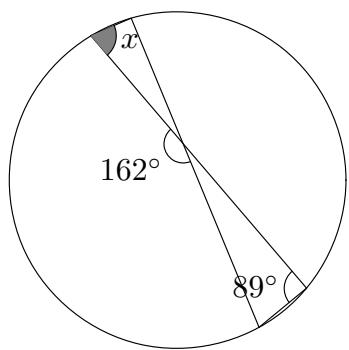
(5)

$$x = 17^\circ$$



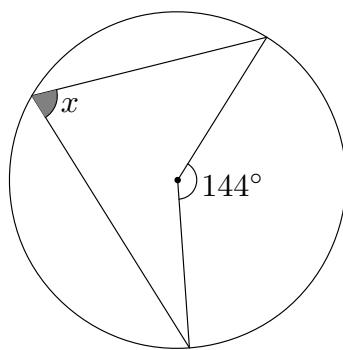
(6)

$$x = 96^\circ$$



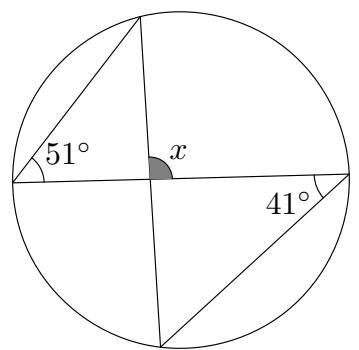
(7)

$$x = 133^\circ$$



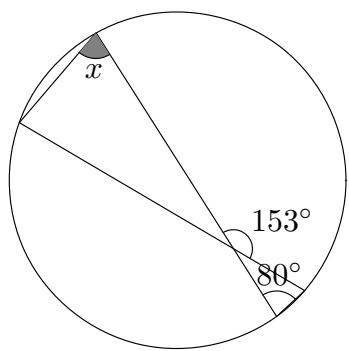
(8)

$$x = 82^\circ$$



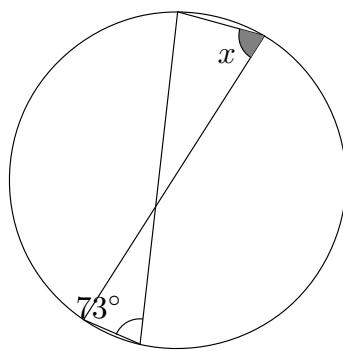
(9)

$$x = 73^\circ$$



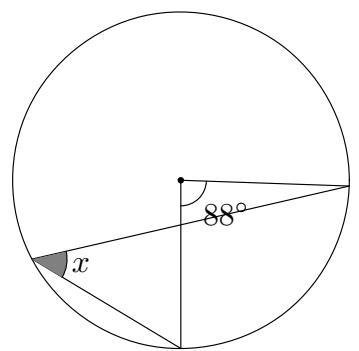
(10)

$$x = 72^\circ$$



(11)

$$x = 92^\circ$$



(12)

$$x = 73^\circ$$

$$x = 73^\circ$$

$$x = 44^\circ$$

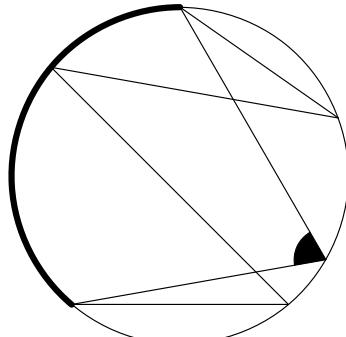
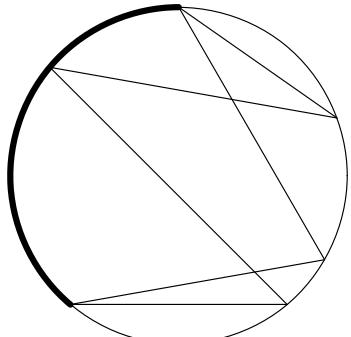
- 円周角 04 -

円周角 04

名前 () 得点 (/12)

以下の太い円弧に対する円周角を、例にならって塗りつぶして示せ。

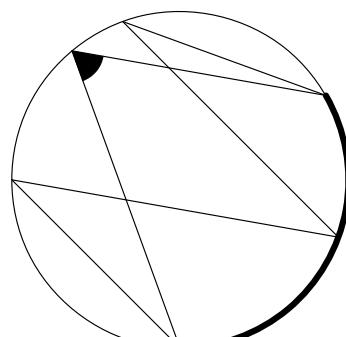
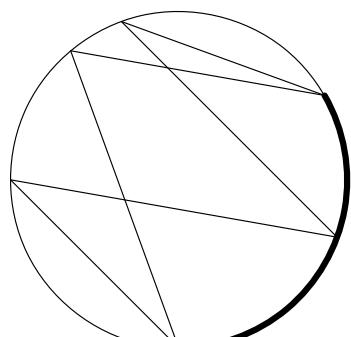
(1)



(例)



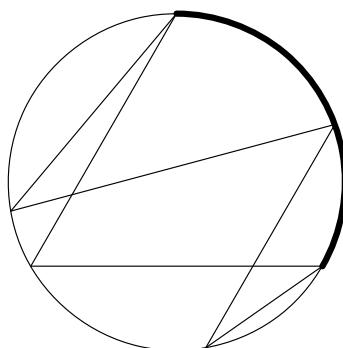
(2)



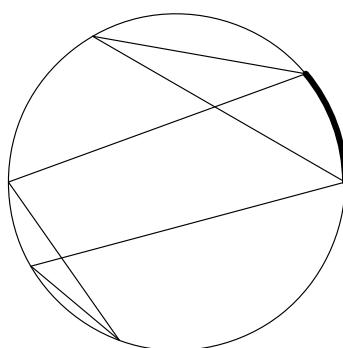
(例)



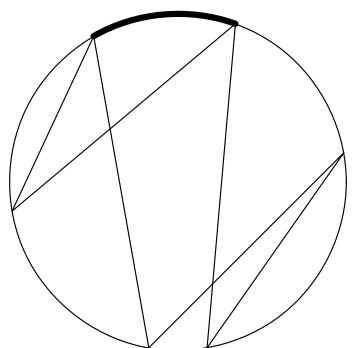
(3)



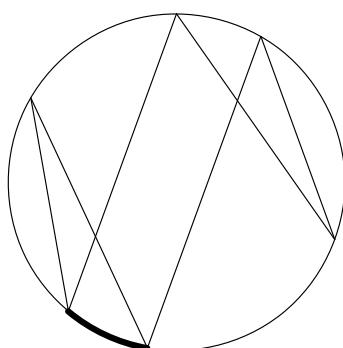
(4)



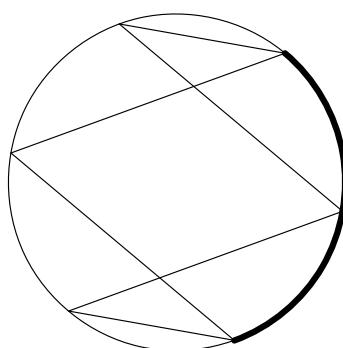
(5)



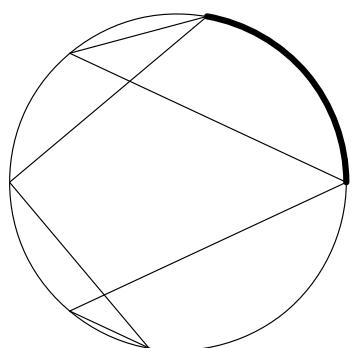
(6)



(7)

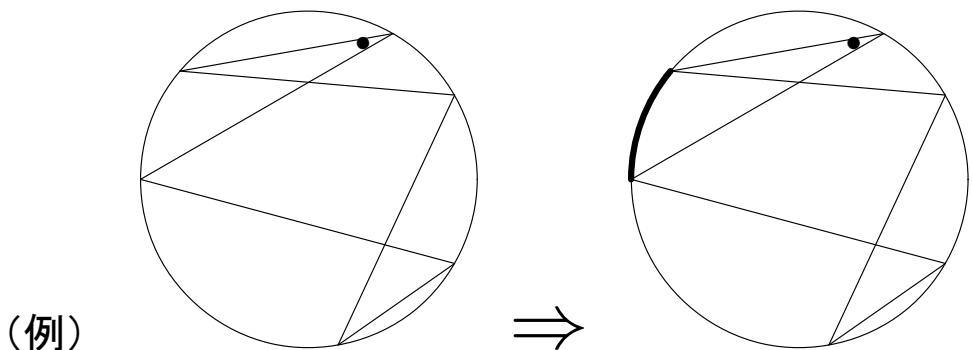


(8)

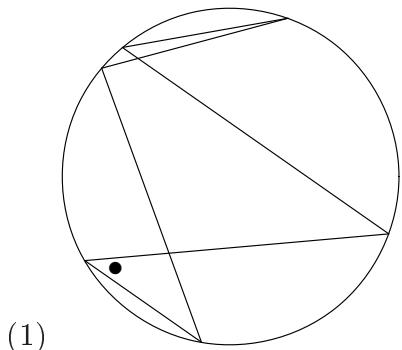


– 円周角 04 –

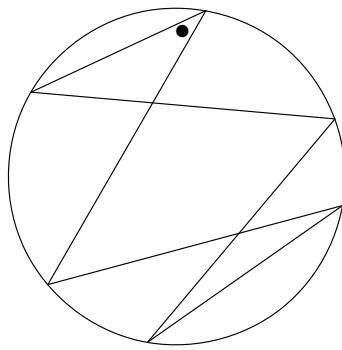
以下の角 ● に対応する円周を、例にならって太線で示せ。



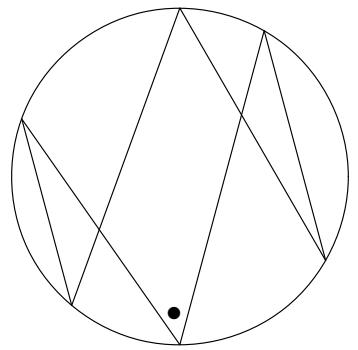
(例)



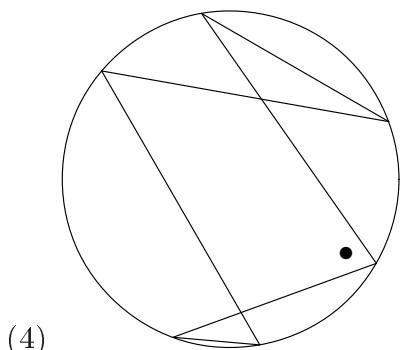
(1)



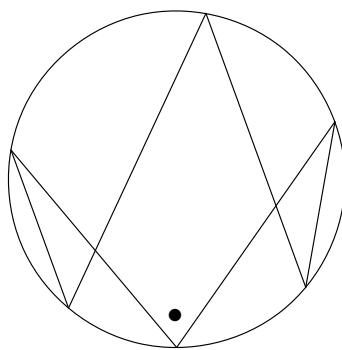
(2)



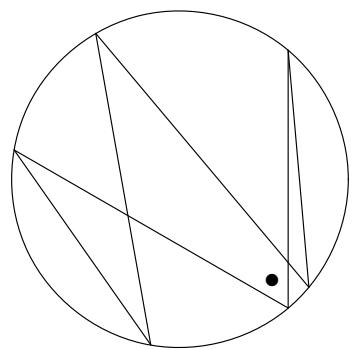
(3)



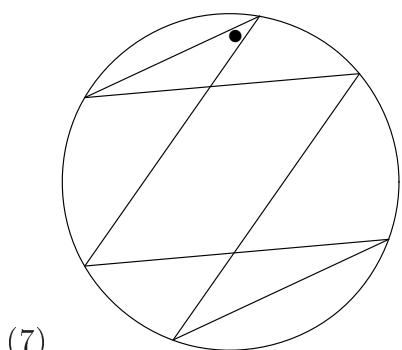
(4)



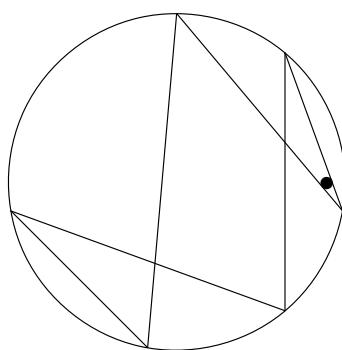
(5)



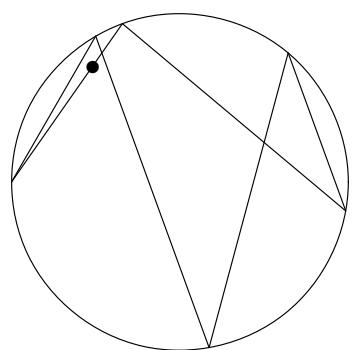
(6)



(7)



(8)



(9)

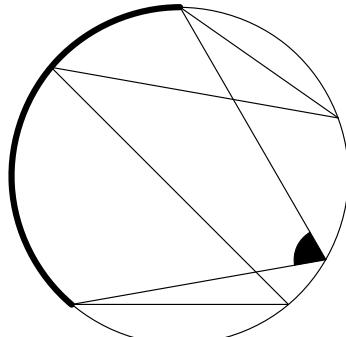
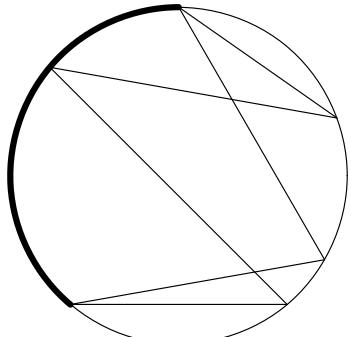
- 円周角 04 -

円周角 04

名前 () 得点 (/12)

以下の太い円弧に対する円周角を、例にならって塗りつぶして示せ。

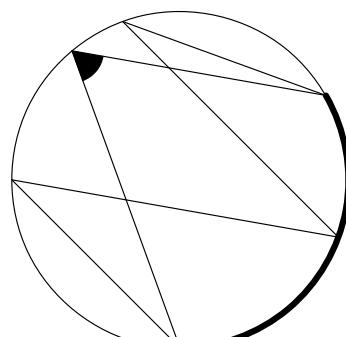
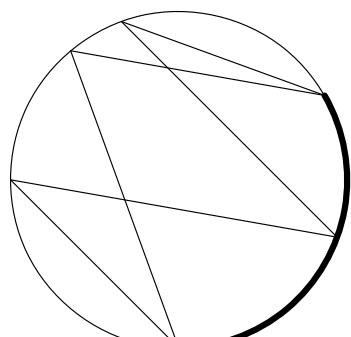
(1)



(例)



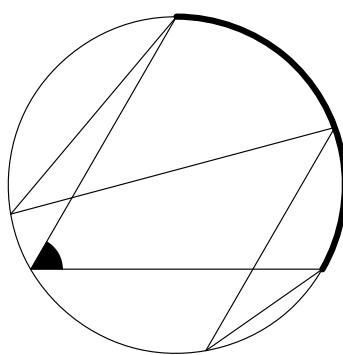
(2)



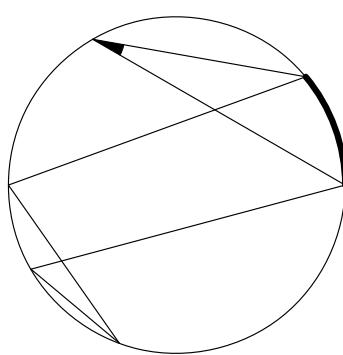
(例)



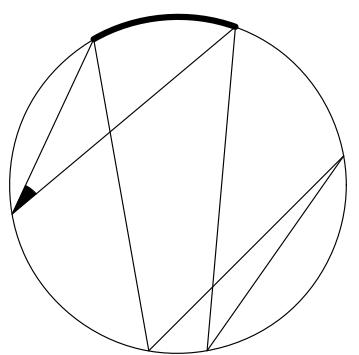
(3)



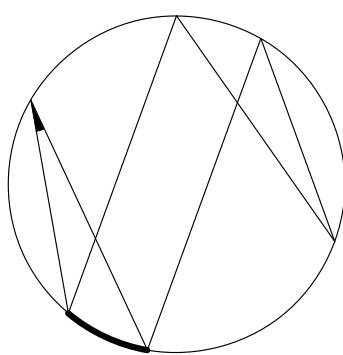
(4)



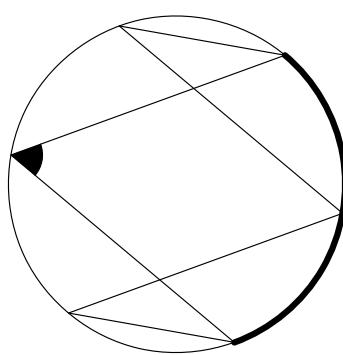
(5)



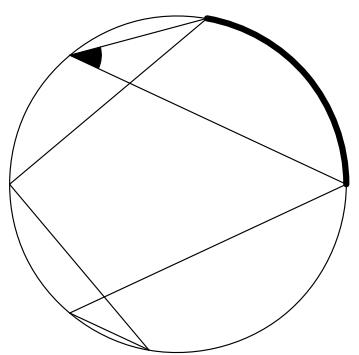
(6)



(7)

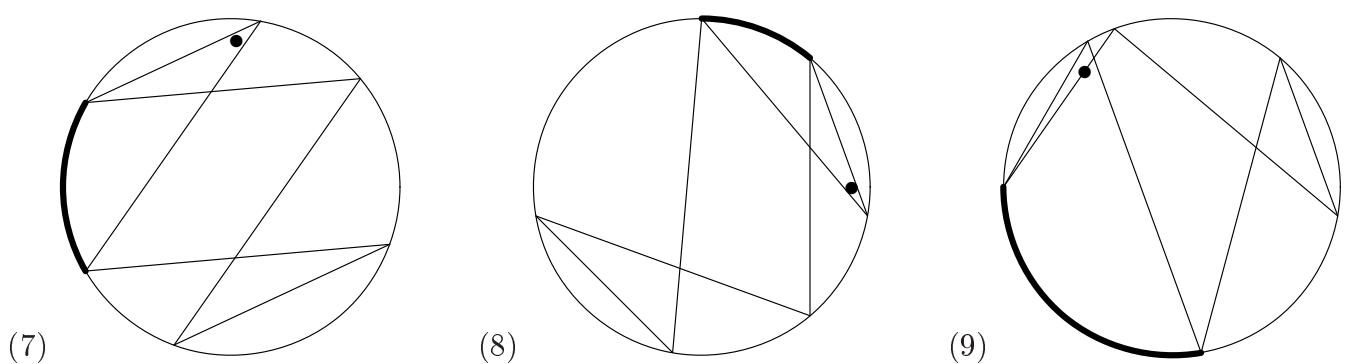
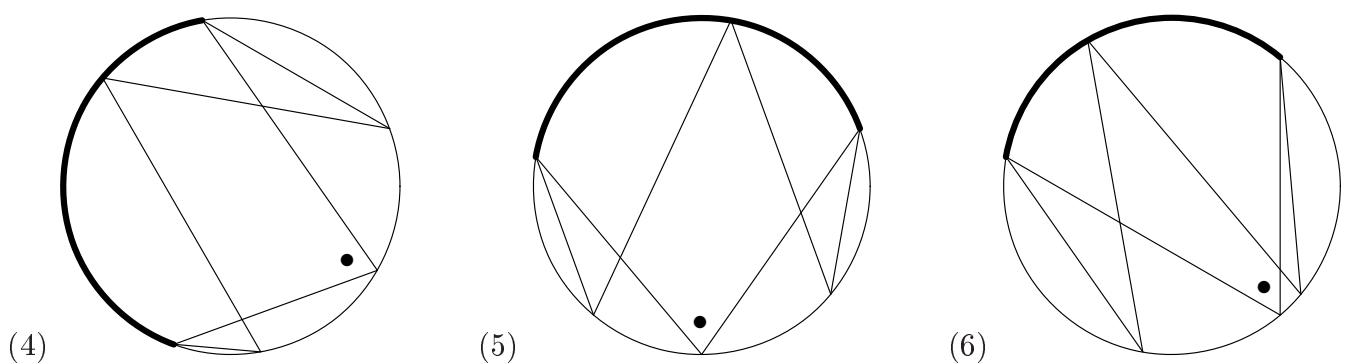
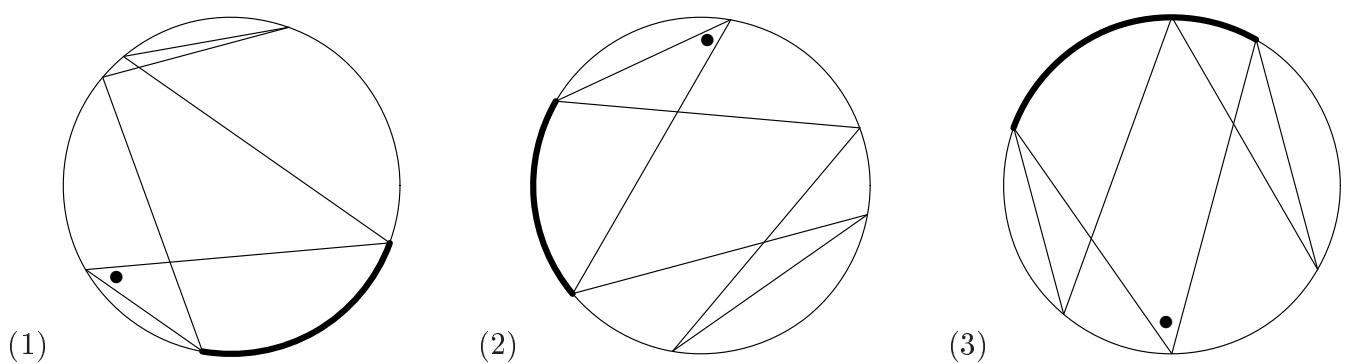
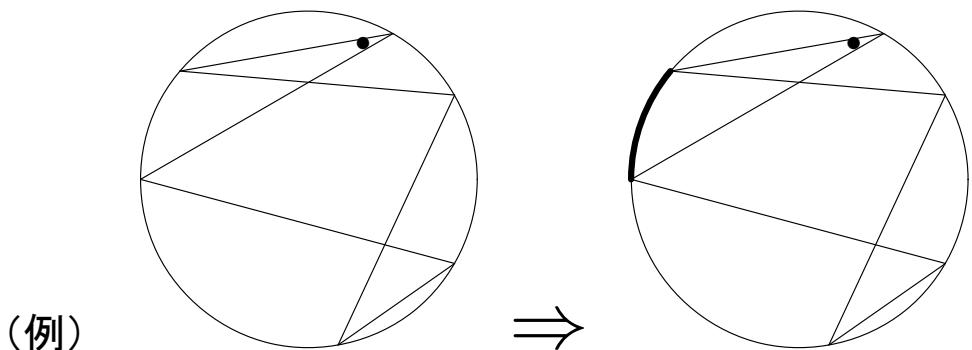


(8)



– 円周角 04 –

以下の角 ● に対応する円周を、例にならって太線で示せ。

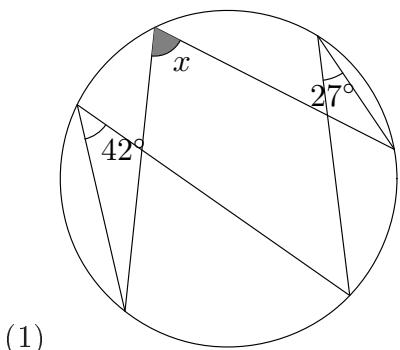


– 円周角 05 –

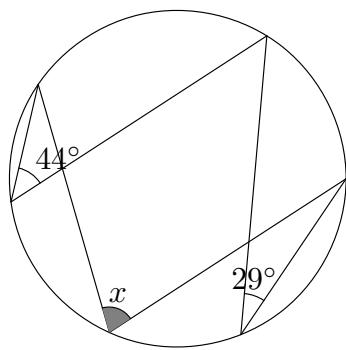
円周角 05

名前 () 得点 (/12)

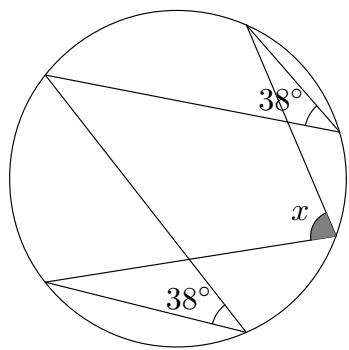
次の角 $\angle x$ の大きさを求めなさい。



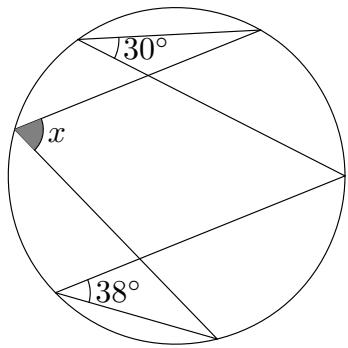
(1)



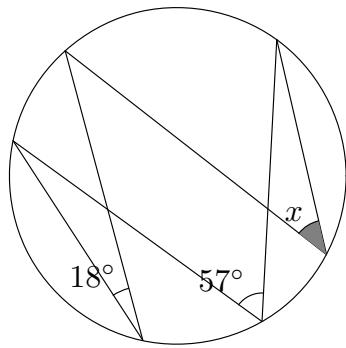
(2)



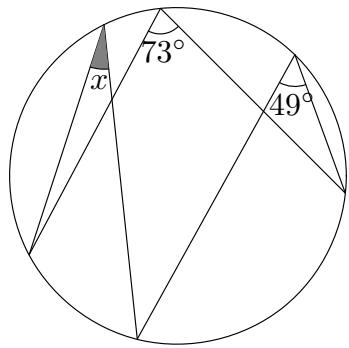
(3)



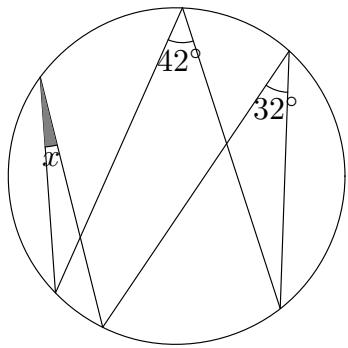
(4)



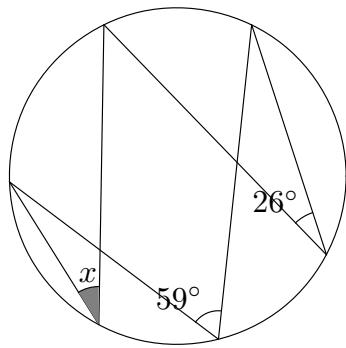
(5)



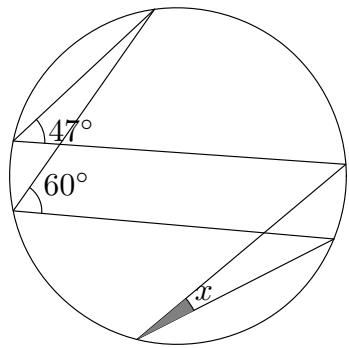
(6)



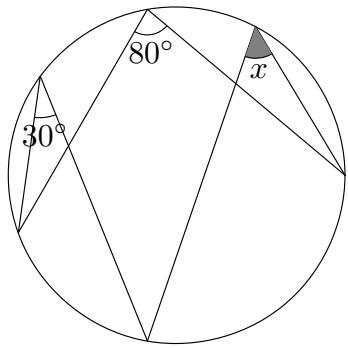
(7)



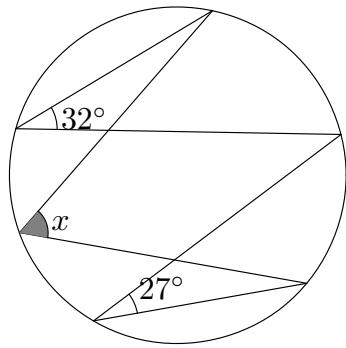
(8)



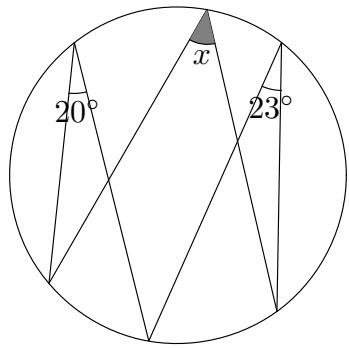
(9)



(10)



(11)



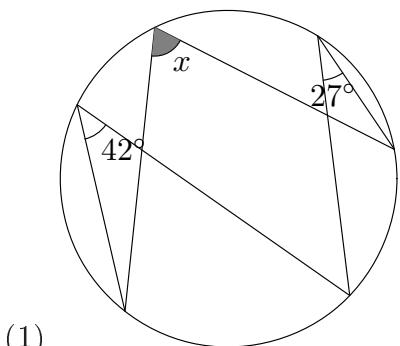
(12)

– 円周角 05 –

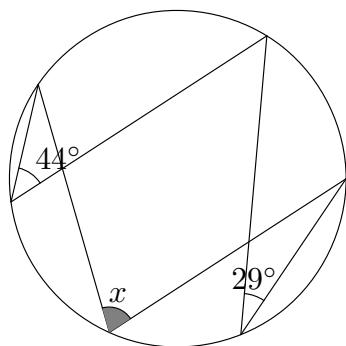
円周角 05

名前 () 得点 (/12)

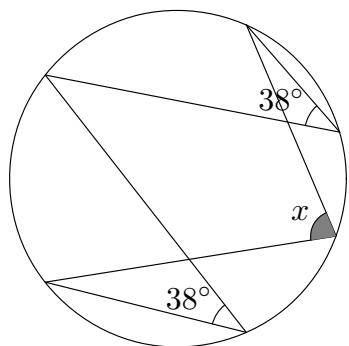
次の角 $\angle x$ の大きさを求めなさい。



(1)

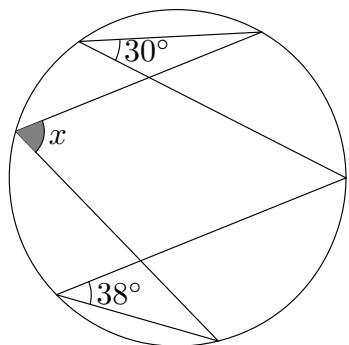


(2)



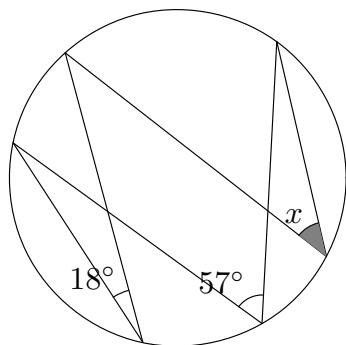
(3)

$$x = 69^\circ$$



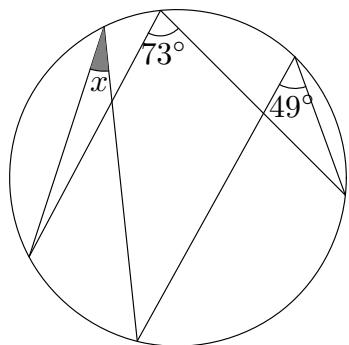
(4)

$$x = 73^\circ$$



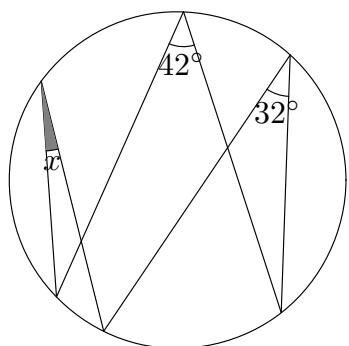
(5)

$$x = 76^\circ$$



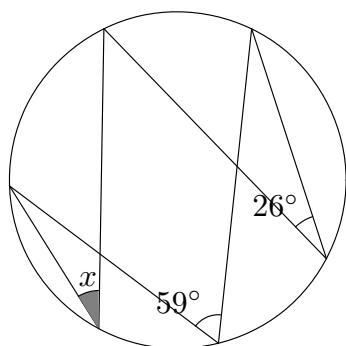
(6)

$$x = 68^\circ$$

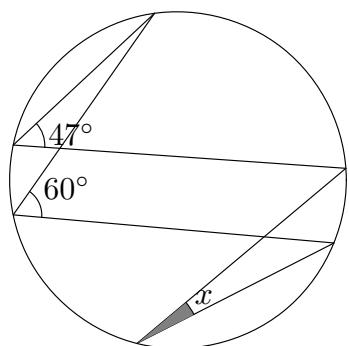


(7)

$$x = 39^\circ$$

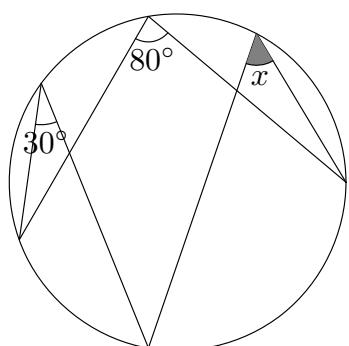


(8)



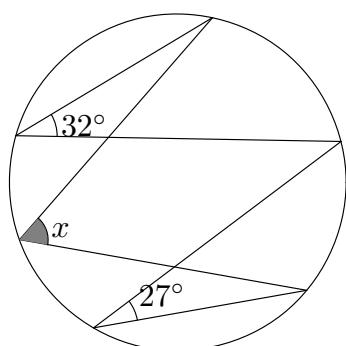
(9)

$$x = 10^\circ$$



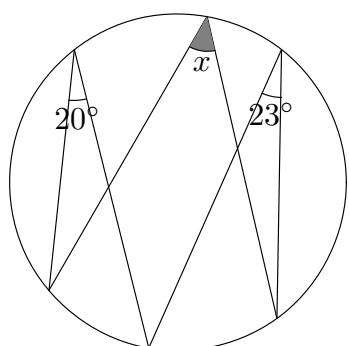
(10)

$$x = 33^\circ$$



(11)

$$x = 13^\circ$$



(12)

$$x = 50^\circ$$

$$x = 59^\circ$$

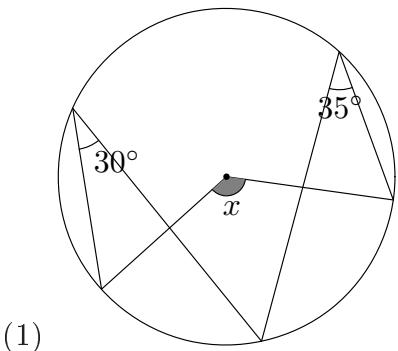
$$x = 43^\circ$$

- 円周角 06 -

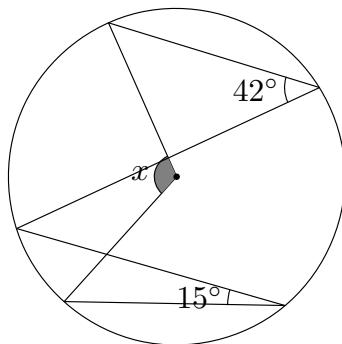
円周角 06

名前 () 得点 (/12)

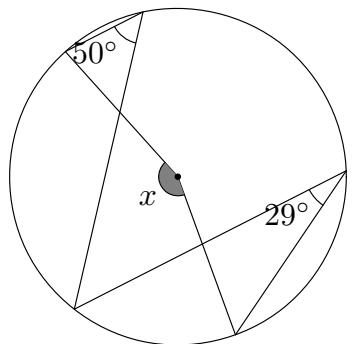
次の角 $\angle x$ の大きさを求めなさい。



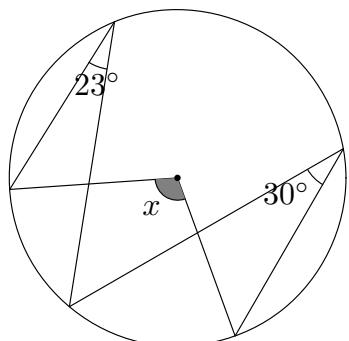
(1)



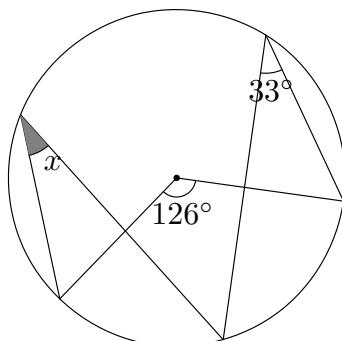
(2)



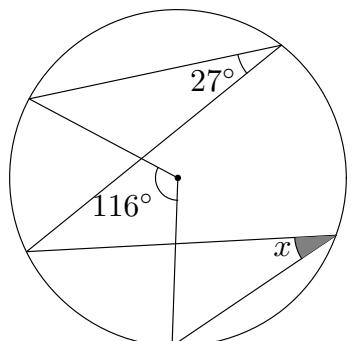
(3)



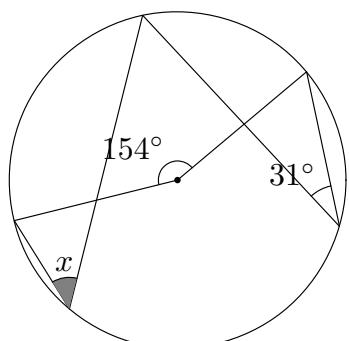
(4)



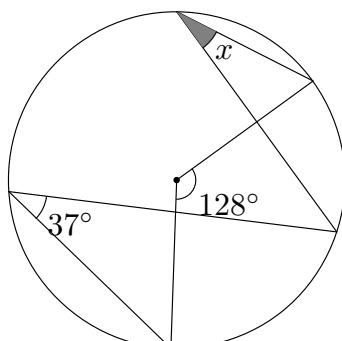
(5)



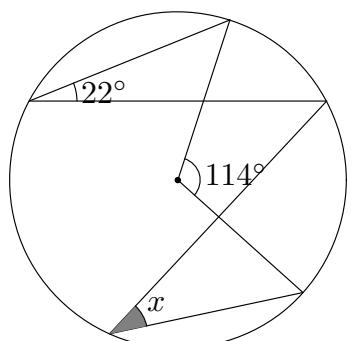
(6)



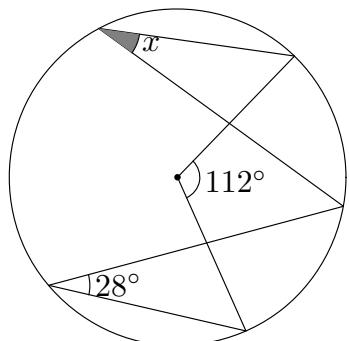
(7)



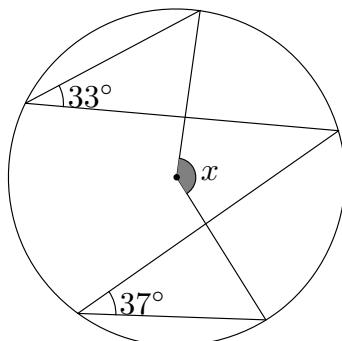
(8)



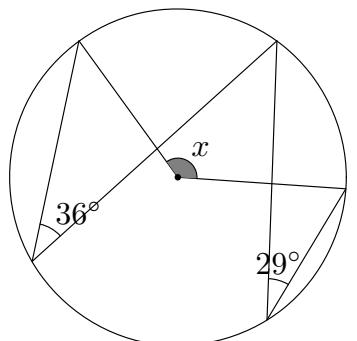
(9)



(10)



(11)



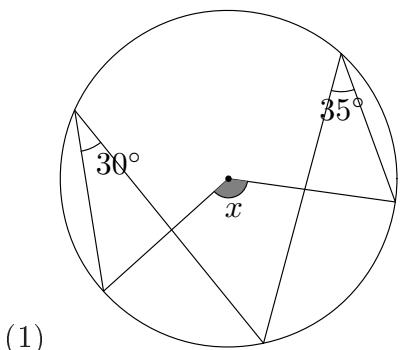
(12)

- 円周角 06 -

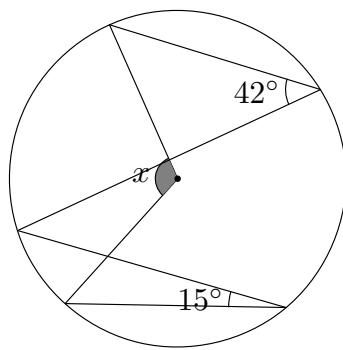
円周角 06

名前 () 得点 (/12)

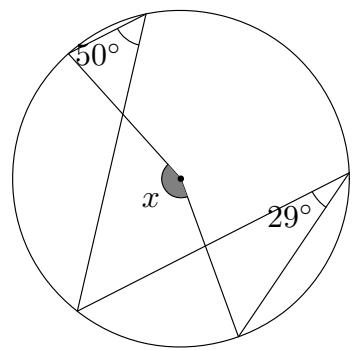
次の角 $\angle x$ の大きさを求めなさい。



(1)



(2)

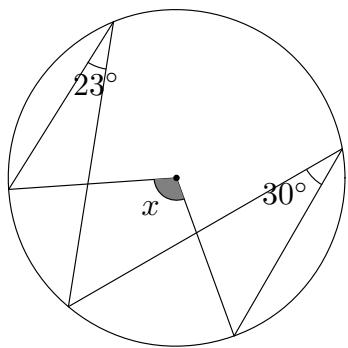


(3)

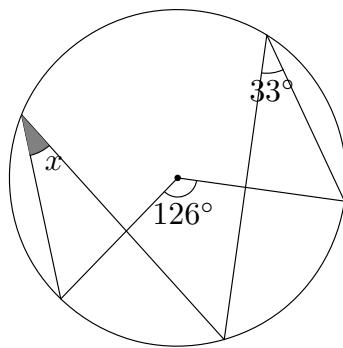
$$x = 130^\circ$$

$$x = 114^\circ$$

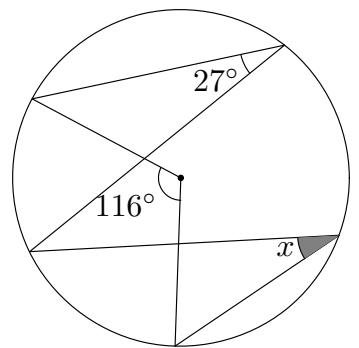
$$x = 158^\circ$$



(4)



(5)

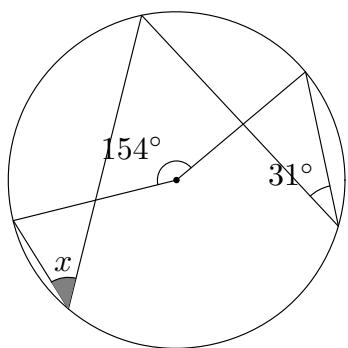


(6)

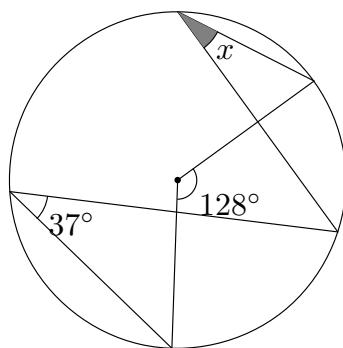
$$x = 106^\circ$$

$$x = 30^\circ$$

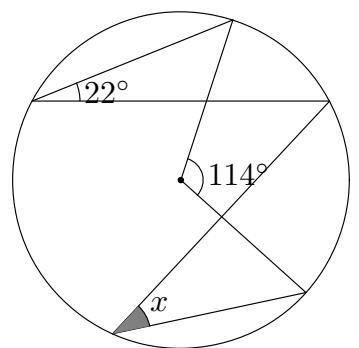
$$x = 31^\circ$$



(7)



(8)

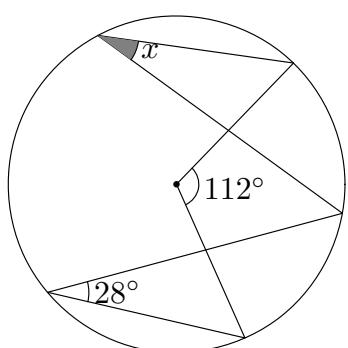


(9)

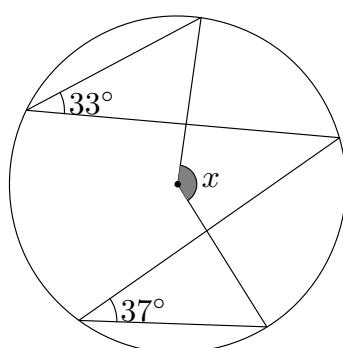
$$x = 46^\circ$$

$$x = 27^\circ$$

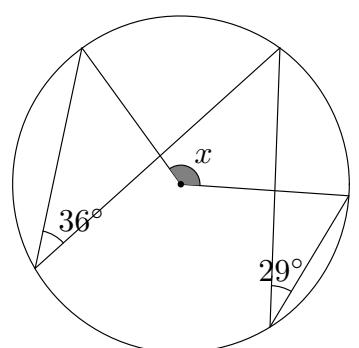
$$x = 35^\circ$$



(10)



(11)



(12)

$$x = 28^\circ$$

$$x = 140^\circ$$

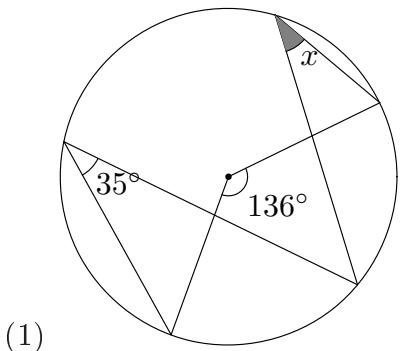
$$x = 130^\circ$$

– 円周角 07 –

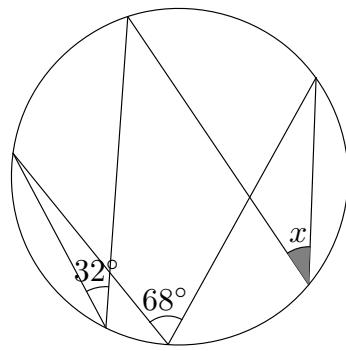
円周角 07

名前 () 得点 (/12)

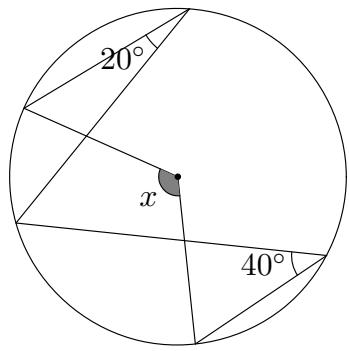
次の角 $\angle x$ の大きさを求めなさい。



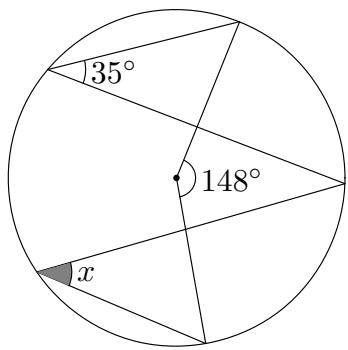
(1)



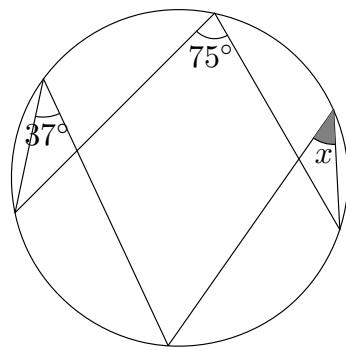
(2)



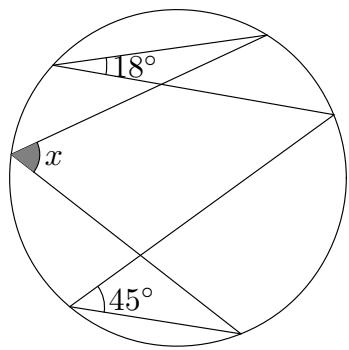
(3)



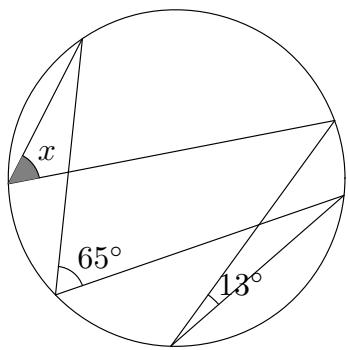
(4)



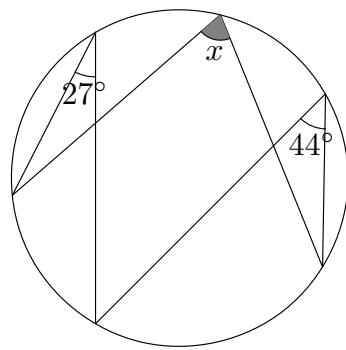
(5)



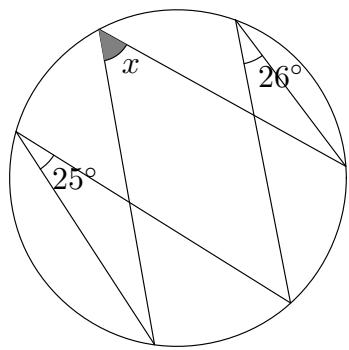
(6)



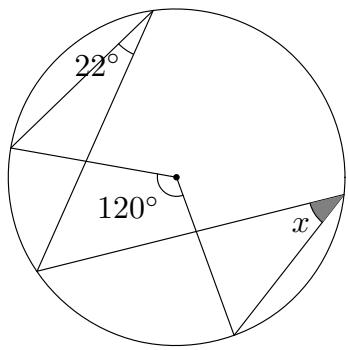
(7)



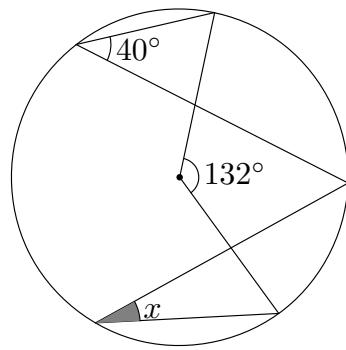
(8)



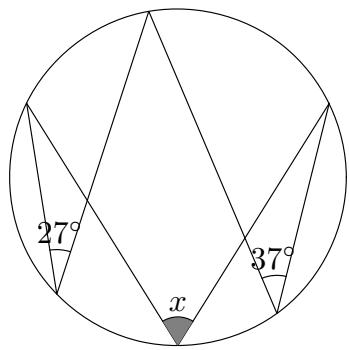
(9)



(10)



(11)



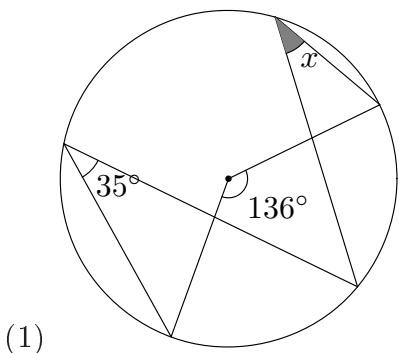
(12)

– 円周角 07 –

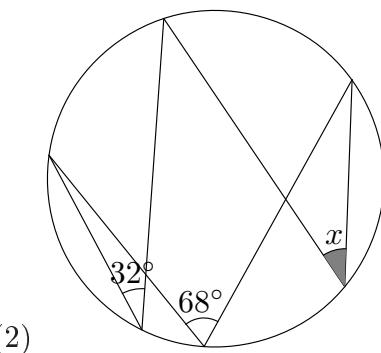
円周角 07

名前 () 得点 (/12)

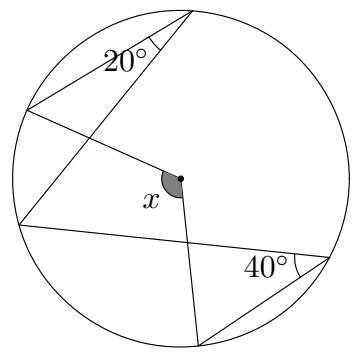
次の角 $\angle x$ の大きさを求めなさい。



$$x = 33^\circ$$

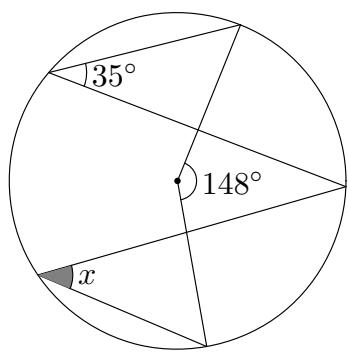


$$x = 36^\circ$$

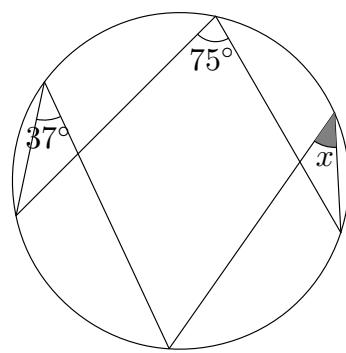


$$(3)$$

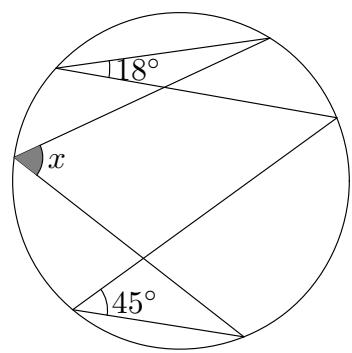
(4)



(5)



(6)

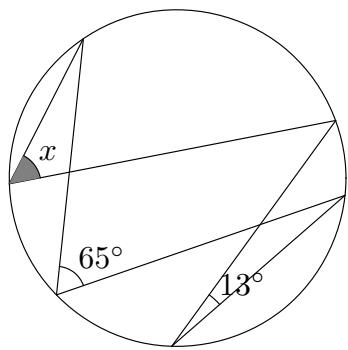


$$x = 39^\circ$$

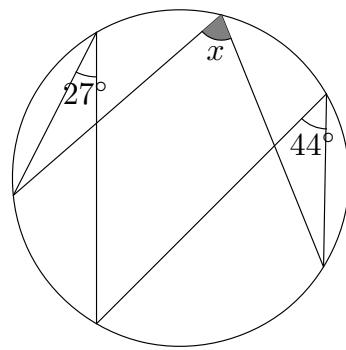
$$x = 38^\circ$$

$$x = 63^\circ$$

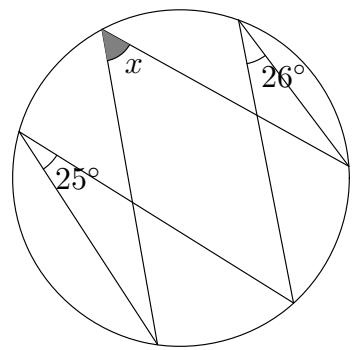
(7)



(8)



(9)

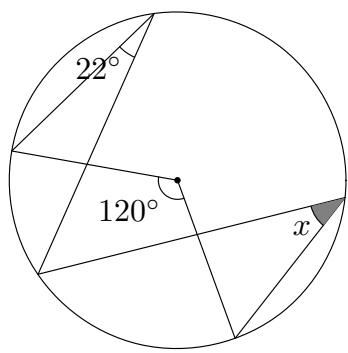


$$x = 52^\circ$$

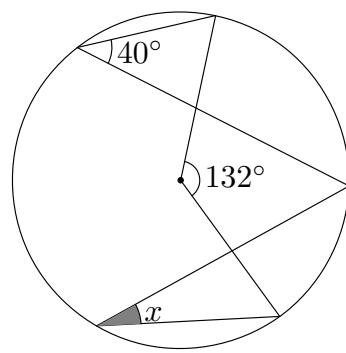
$$x = 71^\circ$$

$$x = 51^\circ$$

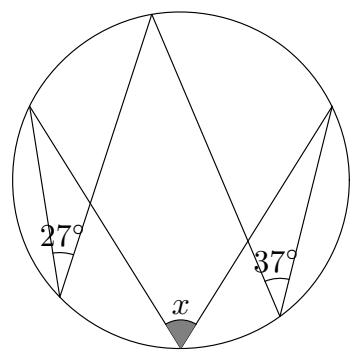
(10)



(11)



(12)



$$x = 38^\circ$$

$$x = 26^\circ$$

$$x = 64^\circ$$