

# 問題

問題 1. 次の方程式を解きなさい。

(1)  $x - 4 = 3$       (2)  $x - 6 = 2$       (3)  $x - 3 = -5$       (4)  $x - 5 = -3$

(5)  $x + 2 = 6$       (6)  $x + 4 = 2$       (7)  $x + 3 = -3$       (8)  $x + 6 = -1$

(9)  $x + \frac{1}{2} = \frac{1}{4}$       (10)  $x - \frac{2}{3} = \frac{1}{2}$       (11)  $x + \frac{1}{6} = -\frac{1}{2}$       (12)  $x - \frac{1}{3} = -\frac{1}{4}$

(13)  $x + 0.3 = 0.2$       (14)  $x + 1.1 = -0.3$       (15)  $x - 0.1 = -1.2$       (16)  $x - 1.6 = 0.1$

問題 2. 次の方程式を解きなさい。

(1)  $\frac{x}{2} = 6$       (2)  $\frac{x}{3} = 2$       (3)  $\frac{x}{4} = -2$       (4)  $\frac{x}{8} = -3$

(5)  $-\frac{x}{5} = 2$       (6)  $-\frac{x}{4} = 3$       (7)  $-\frac{x}{3} = -3$       (8)  $-\frac{x}{7} = -4$

(9)  $\frac{3}{2}x = 5$       (10)  $\frac{4}{3}x = -2$       (11)  $-\frac{5}{4}x = 5$       (12)  $-\frac{8}{5}x = -3$

(13)  $\frac{5}{2}x = \frac{3}{4}$       (14)  $\frac{2}{3}x = -\frac{6}{5}$       (15)  $-\frac{2}{5}x = \frac{4}{3}$       (16)  $-\frac{3}{4}x = -\frac{5}{8}$

問題 3. 次の方程式を解きなさい。

(1)  $2x = 6$       (2)  $3x = 9$       (3)  $4x = -8$       (4)  $5x = -10$

(5)  $-2x = 8$       (6)  $-3x = 6$       (7)  $-5x = -10$       (8)  $-2x = -12$

(9)  $9x = 3$       (10)  $4x = -2$       (11)  $-6x = 3$       (12)  $-12x = -2$

(13)  $9x = 5$       (14)  $7x = -2$       (15)  $-12x = 10$       (16)  $-22x = -4$

## 練習

練習 1. 次の方程式を解きなさい。

(1)  $x - 1 = 5$       (2)  $x - 2 = 3$       (3)  $x - 8 = -2$       (4)  $x - 7 = -14$

(5)  $x + 5 = 3$       (6)  $x + 1 = 1$       (7)  $x + 9 = -2$       (8)  $x + 7 = -5$

(9)  $x + \frac{1}{4} = \frac{1}{2}$       (10)  $x - \frac{1}{3} = \frac{1}{4}$       (11)  $x + \frac{2}{3} = -\frac{1}{6}$       (12)  $x - \frac{1}{4} = -\frac{1}{6}$

(13)  $x + 0.6 = 0.3$       (14)  $x + 2.1 = -1.3$       (15)  $x - 0.7 = -1.8$       (16)  $x - 1.1 = 2.1$

練習 2. 次の方程式を解きなさい。

(1)  $\frac{x}{3} = 4$       (2)  $\frac{x}{5} = 3$       (3)  $\frac{x}{3} = -5$       (4)  $\frac{x}{6} = -4$

(5)  $-\frac{x}{3} = 4$       (6)  $-\frac{x}{6} = 2$       (7)  $-\frac{x}{4} = -4$       (8)  $-\frac{x}{8} = -2$

(9)  $\frac{2}{5}x = 3$       (10)  $\frac{3}{4}x = -6$       (11)  $-\frac{2}{3}x = 4$       (12)  $-\frac{5}{2}x = -7$

(13)  $\frac{5}{3}x = \frac{1}{6}$       (14)  $\frac{3}{2}x = -\frac{6}{7}$       (15)  $-\frac{3}{4}x = \frac{6}{5}$       (16)  $-\frac{2}{5}x = -\frac{3}{10}$

練習 3. 次の方程式を解きなさい。

(1)  $4x = 8$       (2)  $3x = 6$       (3)  $2x = -6$       (4)  $3x = -12$

(5)  $-4x = 8$       (6)  $-3x = 9$       (7)  $-6x = -18$       (8)  $-7x = -21$

(9)  $4x = 2$       (10)  $8x = -2$       (11)  $-9x = 3$       (12)  $-20x = -5$

(13)  $7x = 3$       (14)  $5x = -8$       (15)  $-20x = 16$       (16)  $-24x = -9$

# 解答

問題 1.

- (1)  $x = 7$  (2)  $x = 8$  (3)  $x = -2$  (4)  $x = 2$  (5)  $x = 4$  (6)  $x = -2$   
(7)  $x = -6$  (8)  $x = -7$  (9)  $x = -\frac{1}{4}$  (10)  $x = \frac{7}{6}$  (11)  $x = -\frac{2}{3}$  (12)  $x = \frac{1}{12}$   
(13)  $x = -0.1$  (14)  $x = -1.4$  (15)  $x = -1.1$  (16)  $x = 1.7$

問題 2.

- (1)  $x = 12$  (2)  $x = 6$  (3)  $x = -8$  (4)  $x = -24$  (5)  $x = -10$  (6)  $x = -12$   
(7)  $x = 9$  (8)  $x = 28$  (9)  $x = \frac{10}{3}$  (10)  $x = -\frac{3}{2}$  (11)  $x = -4$  (12)  $x = \frac{15}{8}$   
(13)  $x = \frac{3}{10}$  (14)  $x = -\frac{9}{5}$  (15)  $x = -\frac{10}{3}$  (16)  $x = \frac{5}{6}$

問題 3.

- (1)  $x = 3$  (2)  $x = 3$  (3)  $x = -2$  (4)  $x = -2$  (5)  $x = -4$  (6)  $x = -2$   
(7)  $x = 2$  (8)  $x = 6$  (9)  $x = \frac{1}{3}$  (10)  $x = -\frac{1}{2}$  (11)  $x = -\frac{1}{2}$  (12)  $x = \frac{1}{6}$   
(13)  $x = \frac{5}{9}$  (14)  $x = -\frac{2}{7}$  (15)  $x = -\frac{5}{6}$  (16)  $x = \frac{2}{11}$

練習 1.

- (1)  $x = 6$  (2)  $x = 5$  (3)  $x = 6$  (4)  $x = -7$  (5)  $x = -2$  (6)  $x = 0$   
(7)  $x = -11$  (8)  $x = -12$  (9)  $x = \frac{1}{4}$  (10)  $x = \frac{7}{12}$  (11)  $x = -\frac{5}{6}$   
(12)  $x = \frac{1}{12}$  (13)  $x = -0.3$  (14)  $x = -3.4$  (15)  $x = -1.1$  (16)  $x = 3.2$

練習 2.

- (1)  $x = 12$  (2)  $x = 15$  (3)  $x = -15$  (4)  $x = -24$  (5)  $x = -12$  (6)  $x = -12$   
(7)  $x = 16$  (8)  $x = 16$  (9)  $x = \frac{15}{2}$  (10)  $x = -8$  (11)  $x = -6$  (12)  $x = \frac{14}{5}$   
(13)  $x = \frac{1}{10}$  (14)  $x = -\frac{4}{7}$  (15)  $x = -\frac{8}{5}$  (16)  $x = \frac{3}{4}$

練習 3.

- (1)  $x = 2$  (2)  $x = 2$  (3)  $x = -3$  (4)  $x = -4$  (5)  $x = -2$  (6)  $x = -3$   
(7)  $x = 3$  (8)  $x = 3$  (9)  $x = \frac{1}{2}$  (10)  $x = -\frac{1}{4}$  (11)  $x = -\frac{1}{3}$  (12)  $x = \frac{1}{4}$   
(13)  $x = \frac{3}{7}$  (14)  $x = -\frac{8}{5}$  (15)  $x = -\frac{4}{5}$  (16)  $x = \frac{3}{8}$