



1. 次の方程式を解きなさい。

(1) $x + 3 = 1$

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

$$x = -2$$

(2) $2x = 4$

$$2x \div 2 = 4 \div 2$$

$$x = 2$$

(3) $4x - 1 = 3$

$$4x - 1 + (1) = 3 + (1)$$

$$4x = 4$$

$$4x \div 4 = 4 \div 4$$

$$x = 1$$

(4) $-2x = 3$

$$-2x \div (-2) = 3 \div (-2)$$

$$x = -\frac{3}{2}$$

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

$$7x + 2 + (-2) = 5x + (-2)$$

$$7x = 5x - 2$$

$$7x + (-5x) = 5x + (-5x) - 2$$

$$2x = -2$$

$$2x \div 2 = -2 \div 2$$

$$x = -1$$

(6) $2x + 1 = -x - 8$

$$2x + (x) + 1 = -x + (x) - 8$$

$$3x + 1 = -8$$

$$3x + 1 + (-1) = -8 + (-1)$$

$$3x = -9$$

$$3x \div 3 = -9 \div 3$$

$$x = -3$$

(7) $25x = 15x - 10$

$$25x + (-15x) = 15x + (-15x) - 10$$

$$10x = -10$$

$$10x \div 10 = -10 \div 10$$

$$x = -1$$

(8) $12 - x = 4x + 2$

$$12 - x + (-4x) = 4x + (-4x) + 2$$

$$-5x + 12 = 2$$

$$-5x + 12 + (-12) = 2 + (-12)$$

$$-5x = -10$$

$$-5x \div (-5) = -10 \div (-5)$$

$$x = 2$$

(9) $\frac{1}{6}x = \frac{2}{3}$

$$\frac{1}{6}x \times 6 = \frac{2}{3}x \times 6$$

$$x = 4$$

(10) $10x + 3 = -4x + 4$

$$10x + 3 + (-3) = -4x + 4 + (-3)$$

$$10x = -4x + 1$$

$$10x + (4x) = -4x + (4x) + 1$$

$$14x = 1$$

$$x = \frac{1}{14}$$

(11) $4x + 7 = 2x$

$$4x + (-2x) + 7 = 2x + (-2x)$$

$$2x + 7 = 0$$

$$2x + 7 + (-7) = 0 + (-7)$$

$$2x = -7$$

$$2x \div 2 = -7 \div 2$$

$$x = -\frac{7}{2}$$

(12) $25x - 15 = 35x + 25$

$$25x - 15 + (15) = 35x + 25 + (15)$$

$$25x = 35x + 40$$

$$25x + (-35x) = 35x + (-35x) + 40$$

$$-10x = 40$$

$$-10x \div (-10) = 40 \div (-10)$$

$$x = -4$$

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