

1次方程式の解き方①解答と解説

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

(1)  $2x-6=4$

-6 を移項すると

$$2x = 4 + 6$$

$$2x = 10$$

$$x = 5$$

(2)  $-5x+4=19$

+4 を移項すると

$$-5x = 19 - 4$$

$$-5x = 15$$

$$x = -3$$

(3)  $9x=2x-14$

$2x$  を移項すると

$$9x - 2x = -14$$

$$7x = -14$$

$$x = -2$$

(4)  $-7x=-x-18$

$-x$  を移項すると

$$-7x + x = -18$$

$$-6x = -18$$

$$x = 3$$

2 解答 (1)  $x=-\frac{1}{3}$  (2)  $x=\frac{1}{2}$  (3)  $x=0$  (4)  $x=\frac{2}{3}$

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

$$6x = -5 + 3$$

$$6x = -2$$

$$x = -\frac{1}{3}$$

(2)  $-7x+5=3x$

$$-7x - 3x = -5$$

$$-10x = -5$$

$$x = \frac{1}{2}$$

(3)  $-7x-17=-9x-17$

$$-7x + 9x = -17 + 17$$

$$2x = 0$$

$$x = 0$$

(4)  $-18+4x=-12-5x$

$$4x + 5x = -12 + 18$$

$$9x = 6$$

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

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

(1)  $-10x=63-x$

$$-10x + x = 63$$

$$-9x = 63$$

$$x = -7$$

(2)  $-6x+56=8x$

$$-6x - 8x = -56$$

$$-14x = -56$$

$$x = 4$$

(3)  $24+14x=10x+4$

$$14x - 10x = 4 - 24$$

$$4x = -20$$

$$x = -5$$

(4)  $17+x=-19+13x$

$$x - 13x = -19 - 17$$

$$-12x = -36$$

$$x = 3$$