

【中1数学 | 方程式】

単元別演習

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1、次の方程式を解きなさい。

□(1) $2x + 12 = 7 - 3x$

$$5x = -5$$

$$\therefore x = -1$$

□(2) $x - 2 = 7x + 9$

$$-6x = 11$$

$$\therefore x = -\frac{11}{6}$$

□(3) $4a - 7 = 12a + 3$

$$-8a = 10$$

$$a = -\frac{10}{8}$$

$$\therefore a = -\frac{5}{4}$$

□(4) $15 + 7x = -5x + 9$

$$12x = -6$$

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

□(5) $5 - 6x = 4x - 20$

$$-10x = -25$$

$$x = \frac{25}{10}$$

$$\therefore x = \frac{5}{2}$$

□(6) $20x - 30 = 40x + 90$

$$2x - 3 = 4x + 9 \quad \downarrow \div 10$$

$$-2x = 12$$

$$\therefore x = -6$$

□(7) $300x + 1100 = 600x - 400$

$$3x + 11 = 6x - 4 \quad \downarrow \div 100$$

$$-3x = -15$$

$$\therefore x = 5$$

□(8) $2x - 5 = 4 + 5x - 3$

$$-3x = 6$$

$$\therefore x = -2$$