

数学科 方程式マスター B-③

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次の x についての方程式を解きなさい。

① $4x - 15 = -19$

⑥ $-6 = 22 - 4x$

② $-6x - 10 = 2$

⑦ $9x = 5x - 2$

③ $9 + 5x = -16$

⑧ $-3x - 63 = 4x$

④ $15x + 8 = 11$

⑨ $2x - 16 = -2x$

⑤ $-20 - 5x = 20$

⑩ $3x + 16 = 5x$

次の x についての方程式を解きなさい。

① $4x - 15 = -19$

$$4x = -19 + 15$$

$$4x = -4$$

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

$$x = -1$$

② $-6x - 10 = 2$

$$-6x = 2 + 10$$

$$-6x = 12$$

$$-6x \div (-6) = 12 \div (-6)$$

$$x = -2$$

③ $9 + 5x = -16$

$$5x = -16 - 9$$

$$5x = -25$$

$$5x \div 5 = -25 \div 5$$

$$x = -5$$

④ $15x + 8 = 11$

$$15x = 11 - 8$$

$$15x = 3$$

$$15x \div 15 = 3 \div 15$$

$$x = \frac{3}{15}$$

$$x = \frac{1}{5}$$

⑤ $-20 - 5x = 20$

$$-5x = 20 + 20$$

$$-5x = 40$$

$$-5x \div (-5) = 40 \div (-5)$$

$$x = -8$$

⑥ $-6 = 22 - 4x$

$$4x = 22 + 6$$

$$4x = 28$$

$$4x \div 4 = 28 \div 4$$

$$x = 7$$

⑦ $9x - 5x = 2$

$$9x - 5x = -2$$

$$4x = -2$$

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

$$x = -\frac{2}{4}$$

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

⑧ $-3x - 63 = 4x$

$$-3x - 4x = 63$$

$$-7x = 63$$

$$-7x \div (-7) = 63 \div (-7)$$

$$x = -9$$

⑨ $2x - 16 = -2x$

$$2x + 2x = 16$$

$$4x = 16$$

$$4x \div 4 = 16 \div 4$$

$$x = 4$$

⑩ $3x + 16 = 5x$

$$3x - 5x = -16$$

$$-2x = -16$$

$$-2x \div (-2) = -16 \div (-2)$$

$$x = 8$$