

数学科 方程式マスター B-②

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次の x についての方程式を解きなさい。

① $6x+24=-24$

⑥ $16x-8=-4$

② $15+2x=21$

⑦ $11x=-x-3$

③ $-5x+5=45$

⑧ $-3x-12=3x$

④ $-8-6x=-2$

⑨ $2x-7=3x$

⑤ $11=1-2x$

⑩ $4x-21=-3x$

次の x についての方程式を解きなさい。

① $6x + 24 = -24$

$$6x = -24 - 24$$

$$6x = -48$$

$$6x \div 6 = -48 \div 6$$

$$x = -8 \#$$

② $15 + 2x = 21$

$$2x = 21 - 15$$

$$2x = 6$$

$$2x \div 2 = 6 \div 2$$

$$x = 3 \#$$

③ $-5x + 5 = 45$

$$-5x = 45 - 5$$

$$-5x = 40$$

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

$$x = -8 \#$$

④ $-8 - 6x = -2$

$$-6x = -2 + 8$$

$$-6x = 6$$

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

$$x = -1 \#$$

⑤ $11 = 1 - 2x$

$$2x = 1 - 11$$

$$2x = -10$$

$$2x \div 2 = -10 \div 2$$

$$x = -5 \#$$

⑥ $16x - 8 = -4$

$$16x = -4 + 8$$

$$16x = 4$$

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

$$x = \frac{4}{16}$$

$$x = \frac{1}{4} \#$$

⑦ $11x - x = -3$

$$11x + x = -3$$

$$12x = -3$$

$$12x \div 12 = -3 \div 12$$

$$x = -\frac{3}{12}$$

$$x = -\frac{1}{4} \#$$

⑧ $-3x - 12 = 3x$

$$-3x - 3x = 12$$

$$-6x = 12$$

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

$$x = -2 \#$$

⑨ $2x - 7 = 3x$

$$2x - 3x = 7$$

$$-x = 7$$

$$x = -7 \#$$

⑨ $x = \bigcirc$ の形にするために、
両辺の符号を逆にしよう!

* ちがいに...
きると途中式を書くと...

2x - 7 = 3x
2x - 3x = 7
-x = 7
-x \div (-1) = 7 \div (-1)
x = -7

⑩ $4x - 21 = -3x$

$$4x + 3x = 21$$

$$7x = 21$$

$$7x \div 7 = 21 \div 7$$

$$x = 3 \#$$