

1 次方程式の解き方 3

NO. 2

名前

／8 点

◆ 次の方程式を解きなさい。

$$(1) \quad 2x + 7 = 5x + 16$$

$$(2) \quad 4x - 2 = -27 - x$$

$$(3) \quad 8x + 7 = 3x - 3$$

$$(4) \quad 16 - 3x = -24 + 5x$$

$$(5) \quad 7 - x = 10x - 5$$

$$(6) \quad 6x - 15 = 2x - 39$$

$$(7) \quad 5x - 12 = 3x + 2$$

$$(8) \quad 3x - 9 = 7x + 23$$

解答

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- (1) $2x + 7 = 5x + 16$
 $2x - 5x = 16 - 7$
 $-3x = 9$
 $x = -3$
- (2) $4x - 2 = -27 - x$
 $4x + x = -27 + 2$
 $5x = -25$
 $x = -5$
- (3) $8x + 7 = 3x - 3$
 $8x - 3x = -3 - 7$
 $5x = -10$
 $x = -2$
- (4) $16 - 3x = -24 + 5x$
 $-3x - 5x = -24 - 16$
 $-8x = -40$
 $x = 5$
- (5) $7 - x = 10x - 5$
 $-x - 10x = -5 - 7$
 $-11x = -12$
 $x = \frac{12}{11}$
- (6) $6x - 15 = 2x - 39$
 $6x - 2x = -39 + 15$
 $4x = -24$
 $x = -6$
- (7) $5x - 12 = 3x + 2$
 $5x - 3x = 2 + 12$
 $2x = 14$
 $x = 7$
- (8) $3x - 9 = 7x + 23$
 $3x - 7x = 23 + 9$
 $-4x = 32$
 $x = -8$