

1次方程式の解き方3-2

◆ 次の方程式を解きなさい。

$$(1) \quad 4x + 5 = 6x - 9$$

$$(2) \quad 9x - 7 = 83 - x$$

$$(3) \quad 6x + 6 = 5x - 1$$

$$(4) \quad 7 - 8x = -32 + 5x$$

$$(5) \quad 9 - x = 4x - 8$$

$$(6) \quad 6x - 2 = 9x + 10$$

$$(7) \quad 8x - 7 = 2x - 37$$

$$(8) \quad 10x - 2 = 4x - 32$$

解答

- (1) $4x + 5 = 6x - 9$
 $4x - 6x = -9 - 5$
 $-2x = -14$
 $x = 7$
- (2) $9x - 7 = 83 - x$
 $9x + x = 83 + 7$
 $10x = 90$
 $x = 9$
- (3) $6x + 6 = 5x - 1$
 $6x - 5x = -1 - 6$
 $x = -7$
 $x = -7$
- (4) $7 - 8x = -32 + 5x$
 $-8x - 5x = -32 - 7$
 $-13x = -39$
 $x = 3$
- (5) $9 - x = 4x - 8$
 $-x - 4x = -8 - 9$
 $-5x = -17$
 $x = \frac{17}{5}$
- (6) $6x - 2 = 9x + 10$
 $6x - 9x = 10 + 2$
 $-3x = 12$
 $x = -4$
- (7) $8x - 7 = 2x - 37$
 $8x - 2x = -37 + 7$
 $6x = -30$
 $x = -5$
- (8) $10x - 2 = 4x - 32$
 $10x - 4x = -32 + 2$
 $6x = -30$
 $x = -5$