

## 1次方程式の解き方4-5

◆ 次の方程式を解きなさい。

$$(1) \quad 4x + 19 = 3(x + 6)$$

$$(2) \quad 3(x - 8) = 9x - 60$$

$$(3) \quad -4(2 + x) = 5(8 - x)$$

$$(4) \quad 1 - 5(3x - 1) = 2$$

$$(5) \quad 80x = 120(x - 9)$$

$$(6) \quad -20(5 + x) = 21(8 - x)$$

## 解答

◆ 次の方程式を解きなさい。

$$(1) \quad 4x + 19 = 3(x + 6)$$

$$4x + 19 = 3x + 18$$

$$4x - 3x = 18 - 19$$

$$x = -1$$

$$x = -1$$

$$(2) \quad 3(x - 8) = 9x - 60$$

$$3x - 24 = 9x - 60$$

$$3x - 9x = -60 + 24$$

$$-6x = -36$$

$$x = 6$$

$$(3) \quad -4(2 + x) = 5(8 - x)$$

$$-8 - 4x = 40 - 5x$$

$$-4x + 5x = 40 + 8$$

$$x = 48$$

$$(4) \quad 1 - 5(3x - 1) = 2$$

$$1 - 15x + 5 = 2$$

$$-15x = 2 - 1 - 5$$

$$-15x = -4$$

$$x = \frac{4}{15}$$

$$(5) \quad 80x = 120(x - 9)$$

$$8x = 12(x - 9)$$

$$8x = 12x - 108$$

$$8x - 12x = -108$$

$$-4x = -108$$

$$x = 27$$

$$(6) \quad -20(5 + x) = 21(8 - x)$$

$$-100 - 20x = 168 - 21x$$

$$-20x + 21x = 168 + 100$$

$$1x = 268$$

$$x = 268$$