

## 1次方程式の解き方3-3

◆ 次の方程式を解きなさい。

$$(1) \quad 5x + 6 = 7x$$

$$(2) \quad 6x - 5 = -19 - x$$

$$(3) \quad 9x + 2 = 7x - 8$$

$$(4) \quad 5 - 9x = 122 + 4x$$

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

$$(6) \quad 17x - 3 = 5x - 39$$

$$(7) \quad 16x - 1 = 7x - 82$$

$$(8) \quad 12x - 6 = 2x + 54$$

## 解答

- (1)  $5x + 6 = 7x$   
 $5x - 7x = -6$   
 $-2x = -6$   
 $x = 3$
- (2)  $6x - 5 = -19 - x$   
 $6x + x = -19 + 5$   
 $7x = -14$   
 $x = -2$
- (3)  $9x + 2 = 7x - 8$   
 $9x - 7x = -8 - 2$   
 $2x = -10$   
 $x = -5$
- (4)  $5 - 9x = 122 + 4x$   
 $-9x - 4x = 122 - 5$   
 $-13x = 117$   
 $x = -9$
- (5)  $1 - x = 4x - 6$   
 $-x - 4x = -6 - 1$   
 $-5x = -7$   
 $x = \frac{7}{5}$
- (6)  $17x - 3 = 5x - 39$   
 $17x - 5x = -39 + 3$   
 $12x = -36$   
 $x = -3$
- (7)  $16x - 1 = 7x - 82$   
 $16x - 7x = -82 + 1$   
 $9x = -81$   
 $x = -9$
- (8)  $12x - 6 = 2x + 54$   
 $12x - 2x = 54 + 6$   
 $10x = 60$   
 $x = 6$