

1次方程式の解き方3

NO. 1

名前

/8 点

◆ 次の方程式を解きなさい。

(1) $3x + 9 = 4x + 7$

(2) $6x - 3 = -24 - x$

(3) $10x + 5 = 5x - 15$

(4) $12 - 4x = -18 + 6x$

(5) $3 - x = 9x - 5$

(6) $5x - 12 = 2x - 36$

(7) $2x - 8 = 6x - 16$

(8) $17x - 5 = 8x - 41$

解答

- (1) $3x + 9 = 4x + 7$
 $3x - 4x = 7 - 9$
 $-x = -2$
 $x = 2$
- (2) $6x - 3 = -24 - x$
 $6x + x = -24 + 3$
 $7x = -21$
 $x = -3$
- (3) $10x + 5 = 5x - 15$
 $10x - 5x = -15 - 5$
 $5x = -20$
 $x = -4$
- (4) $12 - 4x = -18 + 6x$
 $-4x - 6x = -18 - 12$
 $-10x = -30$
 $x = 3$
- (5) $3 - x = 9x - 5$
 $-x - 9x = -5 - 3$
 $-10x = -8$
 $x = \frac{4}{5}$
- (6) $5x - 12 = 2x - 36$
 $5x - 2x = -36 + 12$
 $3x = -24$
 $x = -8$
- (7) $2x - 8 = 6x - 16$
 $2x - 6x = -16 + 8$
 $-4x = -8$
 $x = 2$
- (8) $17x - 5 = 8x - 41$
 $17x - 8x = -41 + 5$
 $9x = -36$
 $x = -4$