

等式の変形1

NO.2名前 ／8 点

1 次の各式を内の文字について解きなさい。

(1) $x + y = 9$ [x]

(2) $4x - y = 8$ [y]

(3) $a - 3b = -8$ [a]

(4) $V = \frac{1}{8} a h$ [h]

(5) $5x - y = 12$ [x]

(6) $x - 5y = -6x + 3$ [y]

(7) $-3a + b + 8 = 0$ [b]

(8) $-5x - 4y = 7z$ [z]

解答

$$(1) \quad x = -y + 9$$

$$(2) \quad y = 4x - 8$$

$$(3) \quad a = 3b - 8$$

$$(4) \quad h = \frac{8V}{a}$$

$$(5) \quad 5x = y + 12$$

$$x = \frac{y + 12}{5}$$

$$(6) \quad -5y = -7x + 3$$

$$5y = 7x - 3$$

$$y = \frac{7x - 3}{5}$$

$$(7) \quad b = 3a - 8$$

$$(8) \quad 7z = -5x - 4y$$

$$z = \frac{-5x - 4y}{7}$$