Algebra - Simple Linear Equations

(a) Solve $\quad 4x + 1 = 9$

(2)

(b) Solve $\quad 2y - 1 = 12$

(2)

(c) Solve $\quad 4x + 1 = 2x + 12$

(2)

Algebra - Simple Linear Equations

(a) Solve $\quad 4x + 1 = 9$

$$4x = 9 - 1$$
$$4x = 8$$
$$x = \frac{8}{4}$$
$$\underline{x = 2}$$

(2)

(b) Solve $\quad 2y - 1 = 12$

$$2y = 12 + 1$$
$$2y = 13$$
$$y = \frac{13}{2}$$
$$\underline{y = 6\tfrac{1}{2}}$$

(2)

(c) Solve $\quad 4x + 1 = 2x + 12$

$$4x - 2x = +12 - 1$$
$$2x = 11$$
$$x = \frac{11}{2}$$
$$\underline{x = 5\tfrac{1}{2}}$$

(2)