

KOTITEHTÄVÄT 483, 484

483.

a) $4x + 3 = 2x - 1 \quad \| -2x$

$$2x + 3 = -1 \quad \| -3$$

$$2x = -4 \quad \| :2$$

$$x = -2$$

b) $6x + 2 = 5x + 6 \quad \| -5x$

$$x + 2 = 6 \quad \| -2$$

$$x = 4$$

c) $9x + 4 = 7x + 8 \quad \| -7x$

$$2x + 4 = 8 \quad \| -4$$

$$2x = 4 \quad \| :2$$

$$x = 2$$

d) $12x + 5 = 6x + 11 \quad \| -6x$

$$6x + 5 = 11 \quad \| -5$$

$$6x = 6 \quad \| :6$$

$$x = 1$$

484.

a) $5x = 7x - 6 \quad \| -7x$

$$-2x = -6 \quad \| :(-2)$$

$$x = \frac{-6}{-2} = 3$$

b) $4x = 5x + 9 \quad \| -5x$

$$-x = 9 \quad \| :(-1)$$

$$x = -9$$

c) $7y - 5 = 5y - 5 \quad \| -5y$

$$2y - 5 = -5 \quad \| +5$$

$$2y = 0 \quad \| :2$$

$$y = \frac{0}{2} = 0$$

d) $3x + 6 = 6x - 12 \quad \| -6x$

$$-3x + 6 = -12 \quad \| -6$$

$$-3x = -18 \quad \| :(-3)$$

$$x = \frac{-18}{-3} = 6$$