

1. asteen yhtälö

Esim. Ratkaisu

$$a) \quad 2x - 3 = 5 \quad || +3$$

$$2x - 3 + 3 = 5 + 3$$

$$2 \cdot x = 8 \quad || :2$$

$$\frac{2 \cdot x}{2} = \frac{8}{2}$$

$$\underline{\underline{x = 4}}$$

$$b) \quad 3(2x - 1) = 8x - 4$$

$$3 \cdot 2 \cdot x - 3 \cdot 1 = 8x - 4$$

$$6x - 3 = 8x - 4 \quad || +3 \quad | -8x$$

$$6x - 8x - 3 + 3 = 8x - 8x - 4 + 3$$

$$-2x \quad | = -1 \quad || \cdot (-2)$$

$$\frac{-2x}{-2} = \frac{-1}{-2}$$

$$\underline{\underline{x = \frac{1}{2}}}$$

3.3 Ratkaise yhtälö



$$7x - (3 + 4x) = -x + (4 - x)$$

$$7x - 3 - 4x = -x + 4 - x$$

$$7x - 4x + x + x = 3 + 4$$

$$5x = 7 \quad || : 5$$

$$x = \frac{7}{5}$$