

# ZADACA (27.4)

1. Riješi jednačinu:

$$a) 7x + (6-x) + (5-4x) = 1$$

$$7x + (6-x) + (5-4x) = 1$$

$$7x + 6 - x + 5 - 4x = 1$$

$$7x - x - 4x = 1 - 6 - 5$$

$$2x = -10 \quad | :2$$

$$\boxed{x = -5}$$

$$b) (3x-4) + x = 5 + (-4-x)$$

$$(3x-4) + x = 5 + (-4-x)$$

$$3x - 4 + x = 5 - 4 - x$$

$$3x + x + x = 5 - 4 + 4$$

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

$$\boxed{x = 1}$$

2. Riješi jednačinu:

$$a) 3x + (x-11) = 12x - (5x+31) - 25$$

$$3x + (x-11) = 12x - (5x+31) - 25$$

$$3x + x - 11 = 12x - 5x - 31 - 25$$

$$3x + x - 12x + 5x = -31 - 25 + 11$$

$$-3x = -45 \quad | :(-3)$$

$$\boxed{x = 15}$$

$$b) 52 - (1-2x) - 11x = x - (5-4x)$$

$$52 - (1-2x) - 11x = x - (5-4x)$$

$$52 - 1 + 2x - 11x = x - 5 + 4x$$

$$2x - 11x - x - 4x = -5 - 52 + 1$$

$$-14x = -56 \quad | :(-14)$$

$$\boxed{x = 4}$$