

Zadacia 2.3.

1. Rijesi jednadzbe i provjeri ispravnost rjesenja:

a) $8x=2$

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

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

$$x = \frac{1}{4}$$

PROVJERA:

$$8 \cdot \frac{1}{4} = 2$$

$$2 = 2$$

✓

b) $20x=-10$

$$20x=-10 \quad | :20$$

$$x = \frac{-10}{20}$$

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

PROVJERA:

$$20 \cdot \left(-\frac{1}{2}\right) = -10$$

$$-10 = -10$$

✓

c) $-4x=3$

$$-4x=3 \quad | :(-4)$$

$$x = \frac{3}{-4}$$

$$x = -\frac{3}{4}$$

PROVJERA:

$$-4 \cdot \left(-\frac{3}{4}\right) = 3$$

$$3 = 3$$

✓

d) $-5x=-6$

$$-5x=-6 \quad | :(-5)$$

$$x = \frac{-6}{-5}$$

$$x = \frac{6}{5}$$

$$x = 1\frac{1}{5}$$

PROVJERA:

$$-5 \cdot \frac{6}{5} = -6$$

$$-6 = -6$$

✓

2. Odreči x:

a) $2x-8=0$

$$2x-8=0$$

$$2x=0+8$$

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

$$x=4$$

b) $4x-5=0$

$$4x-5=0$$

$$4x=0+5$$

$$4x=5 \quad | :4$$

$$x = \frac{5}{4}$$

$$x = 1\frac{1}{4}$$

c) $-5-10x=0$

$$-5-10x=0$$

$$-10x=0+5$$

$$-10x=5 \quad | :(-10)$$

$$x = \frac{5}{-10}$$

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

d) $6x+8.4=0$

$$6x+8.4=0$$

$$6x=0+8.4$$

$$6x=8.4 \quad | :6$$

$$x = 1.4$$

Zadacia 2.4.

1. Rijesi jednadzbe:

a) $-4x=-1$

$$-4x=-1 \quad | :(-4)$$

$$x = \frac{-1}{-4}$$

$$x = \frac{1}{4}$$

b) $7x=-182$

$$7x=-182 \quad | :7$$

$$x = -26$$

c) $0.3y=-0.3$

$$0.3y=-0.3 \quad | :0.3$$

$$y = -1$$

d) $-3a=10$

$$-3a=10 \quad | :(-3)$$

$$a = \frac{10}{-3}$$

$$a = -\frac{10}{3}$$

$$a = -3\frac{1}{3}$$

2. Rijesi jednadzbe i provjeri ispravnost rjesenja:

a) $12:x=-4$

$$12:x=-4$$

$$x = 12 : (-4)$$

$$x = -3$$

PROVJERA:

$$12 : (-3) = -4$$

$$-4 = -4$$

✓

b) $x:(-1.2)=-5$

$$x = -5 \cdot (-1.2)$$

$$x = 6$$

PROVJERA:

$$6 : (-1.2) = -5$$

$$-5 = -5$$

✓

3. Riješi jednačinu:

a) $6 - 5x = -4$

$$-5x = -4 - 6$$

$$-5x = -10 \quad | : (-5)$$

$$\boxed{x = 2}$$

b) $3x - 5 = 2$

$$3x - 5 = 2$$

$$3x = 2 + 5$$

$$3x = 7 \quad | : 3$$

$$x = \frac{7}{3}$$

$$\boxed{x = 2\frac{1}{3}}$$

c) $2x - 4 = -5$

$$2x - 4 = -5$$

$$2x = -5 + 4$$

$$2x = -1 \quad | : 2$$

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

d) $7m - 13 = 8$

$$7m = 8 + 13$$

$$7m = 21 \quad | : 7$$

$$\boxed{m = 3}$$