

ZADACA OD 3.4.

1. Riješi jednačbe:

a) $x + 8 = 8$

b) $45 = x + 54$

c) $x - 7 = 23$

d) $0 = 3 + x$

Rj: $x + 8 = 8$

$45 = x + 54$

$x - 7 = 23$

$0 = 3 + x$

$x = 8 - 8$

$-x = 54 - 45$

$x = 23 + 7$

$-x = 3 \quad | :(-1)$

$x = 0$

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

$x = 30$

$x = -3$

$x = -9$

2. Riješi jednačbe:

a) $32x + 23 = 343$

b) $8x + 9 = 10$

c) $12 = 2x + 15$

d) $33 = -3x - 3$

$32x + 23 = 343$

$8x + 9 = 10$

$12 = 2x + 15$

$33 = -3x - 3$

$32x = 343 - 23$

$8x = 10 - 9$

$-2x = 15 - 12$

$3x = -3 - 33$

$32x = 320 \quad | :32$

$8x = 1 \quad | :8$

$-2x = 3 \quad | :(-2)$

$3x = -36 \quad | :3$

$x = 10$

$x = \frac{1}{8}$

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

$x = -12$

ZADACA OD 6.4.

1. Odešči x:

a) $-x = 2 - 2x$

b) $-9x = -2 - 10x$

c) $-5x = -6x + 1$

$-x = 2 - 2x$

$-9x + 10x = -2$

$-5x = -6x + 1$

$-x + 2x = 2$

$x = -2$

$-5x + 6x = 1$

$x = 2$

$x = 1$

2. Riješi jednačbe i pronađi ispravnu vrijednost x:

a) $33x + 55 = 38x$

b) $9x - 18 = 22 + 4x$

c) $-x + 13 = -2 + 4x$

$33x + 55 = 38x$

$9x - 18 = 22 + 4x$

$-x + 13 = -2 + 4x$

$33x - 38x = -55$

$9x - 4x = 22 + 18$

$-x - 4x = -2 - 13$

$-5x = -55 \quad | :(-5)$

$5x = 40 \quad | :5$

$-5x = -15 \quad | :(-5)$

$x = 11$

$x = 8$

$x = 3$

PROVJERA:

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$33 \cdot 11 + 55 = 38 \cdot 11$

$9 \cdot 8 - 18 = 22 + 4 \cdot 8$

$-3 + 13 = -2 + 4 \cdot 3$

$363 + 55 = 418$

$72 - 18 = 22 + 32$

$10 = -2 + 12$

$418 = 418$

$54 = 54$

$10 = 10$



ZADACÁ OD 8.4.

1. Řeši rovnice:

a) $10x - 7 + 5x = 33 + 5x$

$$10x - 7 + 5x = 33 + 5x$$

$$10x + 5x - 5x = 33 + 7$$

$$10x = 40 \quad | :10$$

$$\boxed{x = 4}$$

b) $2y - 4 + 22y = 25y + 3$

$$2y - 4 + 22y = 25y + 3$$

$$2y + 22y - 25y = 3 + 4$$

$$-y = 7 \quad | :(-1)$$

$$\boxed{y = -7}$$