

KVADRATNA JEDNAČINA

1. Rešiti jednačine:

a) $(x + 1)(x - 2)(x - 3) = 0$

b) $(x - 1)(x - 2)(x + 3) = 0$

2. Rešiti jednačine:

a) $x^2 - 2x = 0$

b) $x^2 + 3x = 0$

c) $2x^2 - 3x = 0$

d) $5x^2 + 9x = 0$

e) $\frac{1}{2}x^2 + 4x = 0$

f) $\frac{3}{7}x^2 - \frac{1}{6}x = 0$

3. Rešiti jednačine:

a) $4x^2 - 121 = 0$

b) $\frac{1}{5}x^2 = 5$

c) $\frac{3}{2}x^2 - \frac{32}{27} = 0$

d) $\frac{1}{3}x^2 = \frac{27}{121}$

4. Rešiti jednačine:

a) $(x - 1)^2 + (x - 3)^2 = (x - 4)^2$

b) $(x - 5)(x - 4) = 9(4 - x)$

c) $(x - 3)(2x - 3) + (5x + 9)x - 23 = 0$

d) $(x - 1)^2 - (x + 1)^2 + (x + 3)^2 = (2x - 5)(3x - 1)$

5. Rešiti jednačine:

a) $\frac{x+1}{x-1} - \frac{x-1}{x+1} = \frac{8}{3}$

b) $\frac{x}{x-1} + \frac{x}{x+1} = \frac{9}{4}$

c) $\frac{x+1}{x-1} + \frac{x-1}{x+1} = \frac{3x^2-2}{x^2-1}$

d) $x - \frac{x+10}{x+3} = 2$