

KORJENOVANJE – VJEŽBA

1) Izračunaj: a) $\sqrt{36} =$ b) $\sqrt{\frac{25}{16}} =$ c) $\sqrt{4900} =$
d) $\sqrt{6.76} =$ e) $\sqrt{0.0009} =$ f) $\sqrt{810\,000} =$
g) $\sqrt{4^2} =$ h) $\sqrt{8^2} =$ i) $\sqrt{(-5)^2} =$

2) Pojednostavi:

a) $3\sqrt{5} - 2\sqrt{5} + 7\sqrt{5} = __\sqrt{5}$
b) $9\sqrt{3} - \sqrt{3} - 8\sqrt{3} = __\sqrt{3}$
c) $-2\sqrt{x} - 3\sqrt{y} + 7\sqrt{x} + 8\sqrt{y} = __\sqrt{x} + __\sqrt{y}$

3) Izračunaj:

a) $\sqrt{50} \cdot \sqrt{2} =$ b) $\sqrt{3} \cdot \sqrt{12} =$
c) $\sqrt{75} : \sqrt{3} =$ d) $\sqrt{6} \cdot \frac{\sqrt{3}}{\sqrt{18}} =$
e**) $\sqrt{10x} : \sqrt{\frac{49x}{10}} =$ f) $\sqrt{\frac{5}{4}} : \sqrt{\frac{5}{16}} =$
g) $\sqrt{0.025} \cdot \sqrt{10} =$ h**) $\sqrt{3} \cdot \sqrt{12} \cdot \sqrt{\frac{4}{5}} : \sqrt{\frac{5}{4}} =$

4) Djelomično izračunaj:

a) $\sqrt{45} = \sqrt{__} \cdot \sqrt{__} = __\sqrt{__}$ b) $\sqrt{700} = \sqrt{__} \cdot \sqrt{__} = __\sqrt{__}$

5**) Djelomično korjenuj i pojednostavi:

a) $3\sqrt{2} + 2\sqrt{8} = __\sqrt{2}$
b) $5\sqrt{50} - (\sqrt{32} + 2\sqrt{72}) = __\sqrt{2}$