

## 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)  $5\sqrt{50} - (\sqrt{32} + 2\sqrt{72}) = \_\_\sqrt{2}$