

Korijeni – vježba, 2.b

Izračunaj bez upotrebe kalkulatora:

1. $\sqrt{49} =$

2. $\sqrt{a^6} =$

3. $\sqrt{17^2} =$

4. $\sqrt{3} \cdot \sqrt{6} \cdot \sqrt{2} =$

5. $\frac{\sqrt{50}}{\sqrt{2}} =$

6. $\frac{\sqrt{a^{17}}}{\sqrt{a^5}} =$

7. $\sqrt{2 \cdot 6 \cdot 33 \cdot 11} =$

8. $\sqrt[3]{27} =$

9. $\sqrt[3]{x^{12}} =$

10. $\sqrt[3]{a^{66}} =$

11. $\sqrt[3]{(a^5)^3 : (a^{-4})^4 \cdot a^2} =$

Djelomično korjenuj:

1. $\sqrt{50} = \sqrt{\quad}$

2. $\sqrt{a^3} = \sqrt{\quad}$

3. $\sqrt{a^3 b^4} = \sqrt{\quad}$

4. $\sqrt{a^9} + 2a^2 \sqrt{a^5} = \sqrt{\quad}$

5. $\sqrt[3]{a^4} = \sqrt[3]{\quad}$

6. $\sqrt[3]{a b^8} = \sqrt[3]{\quad}$

Unesi pod znak korijena:

1. $2\sqrt{2} = \sqrt{\quad}$

2. $y\sqrt[3]{y} = \sqrt[3]{\quad}$

3. $a\sqrt{a^3} = \sqrt{\quad}$

4. $2x\sqrt[3]{2x} = \sqrt[3]{\quad}$

Racionaliziraj:

1. $\frac{2}{\sqrt{2}} = \sqrt{\quad}$

2. $\frac{3}{\sqrt[3]{3}} = \sqrt{\quad}$

3. $\frac{y}{x\sqrt{xy}} = \sqrt{\quad}$

4. $\frac{1}{\sqrt[3]{x^2}} = \sqrt[3]{\quad}$

5. $\frac{3}{\sqrt{5}-\sqrt{2}} = \sqrt{\quad} + \sqrt{\quad}$