

12. Racionaliziraj nazivnik a)  $\frac{4}{(2\sqrt{5} - 3\sqrt{2})^2}$   $(2(19 + 6\sqrt{10}))$

b)  $\frac{\sqrt{a+\sqrt{b}} + \sqrt{a-\sqrt{b}}}{\sqrt{a+\sqrt{b}} - \sqrt{a-\sqrt{b}}}$   $\left(\frac{\sqrt{b}(a + \sqrt{a^2 - b})}{b}\right)$

13. Zaokružite netočnu tvrdnju:

a)  $0.0005 = 5 \cdot 10^{-4}$

b)  $*101 \cdot 10^{-9} = 1.01 \cdot 10^{-11}$

c)  $0.023 \cdot 10^4 = 230$

d)  $2.375 \cdot 10^{-2} = 0.02375$

14. Broj  $0.0012 \cdot 10^{10}$  možemo napisati kao :

a)  $12 \cdot 10^4$

b)  $12 \cdot 10^5$

c)  $*12 \cdot 10^6$

d)  $12 \cdot 10^7$

15. Izraz  $\left(a^{\frac{1}{2}} + 1\right)\left(a^{\frac{1}{4}} - 1\right)\left(a^{\frac{1}{4}} + 1\right)$  jednak je :

a)  $* a - 1$

b)  $a + 1$

c)  $a^2 - 1$

d)  $a^2 + 1$