

Час број 14: Вежба

Рационалисање имениоца

Пример 1:

$$а) \frac{12}{\sqrt{2}} = \frac{12}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{12\sqrt{2}}{\sqrt{4}} = \frac{12\sqrt{2}}{2} = 6\sqrt{2}$$

$$б) \frac{4}{\sqrt{3}} = \frac{4}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{4\sqrt{3}}{\sqrt{9}} = \frac{4\sqrt{3}}{3}$$

$$в) \frac{9\sqrt{2}}{\sqrt{3}} = \frac{9\sqrt{2}}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{9\sqrt{6}}{\sqrt{9}} = \frac{9\sqrt{6}}{3} = 3\sqrt{6}$$

$$г) 2\sqrt{2} + \frac{10}{\sqrt{2}} = 2\sqrt{2} + 5\sqrt{2} = \boxed{7\sqrt{2}}$$

$$\frac{10}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{10\sqrt{2}}{\sqrt{4}} = \frac{10\sqrt{2}}{2} = 5\sqrt{2}$$

$$д) -7\sqrt{3} + \frac{6}{\sqrt{3}} = -7\sqrt{3} + 2\sqrt{3} = \boxed{-5\sqrt{3}}$$

$$\frac{6}{\sqrt{3}} = \frac{6}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{6\sqrt{3}}{\sqrt{9}} = \frac{6\sqrt{3}}{3} = 2\sqrt{3}$$

Домаћи задатак:

Збирка задатака:

21. страна:

84. задатак: