

P. e Rad.: Con. Serie 6

6.1.

$$1) \frac{4}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\cancel{4}\sqrt{2}}{\cancel{2}} = 2\sqrt{2}$$

$$2) \frac{\cancel{2}}{2\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$$3) \frac{3}{\sqrt{3^3}} = \frac{\cancel{3}}{\cancel{3}\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$$4) \frac{3}{\sqrt[3]{3^2}} \cdot \frac{\sqrt[3]{3}}{\sqrt[3]{3}} = \frac{\cancel{3}\sqrt[3]{3}}{\cancel{3}\sqrt[3]{3}} = \sqrt[3]{3}$$

$$5) \frac{2}{\sqrt[4]{2^3}} \cdot \frac{\sqrt[4]{2}}{\sqrt[4]{2}} = \frac{\cancel{2}\sqrt[4]{2}}{\cancel{2}\sqrt[4]{2}} = \sqrt[4]{2}$$

$$6) \frac{6}{\sqrt[3]{3^4}} = \frac{\cancel{2}^2}{\cancel{3}^3 \sqrt{3}} \cdot \frac{\sqrt[3]{3^2}}{\sqrt[3]{3^2}} = \frac{2 \cdot \sqrt[3]{3^2}}{3}$$

$$7) \frac{\sqrt{3} + \sqrt{5}}{\sqrt{3} - \sqrt{5}} \cdot \frac{\sqrt{3} + \sqrt{5}}{\sqrt{3} + \sqrt{5}} = \frac{3 + 2\sqrt{15} + 5}{3 - 5} = \frac{8 + 2\sqrt{15}}{-2} = \frac{\cancel{2}(4 + \sqrt{15})}{\ominus \cancel{2}} = -4 - \sqrt{15}$$

$$8) \frac{2\sqrt{2} + 2\sqrt{3}}{\sqrt{2} + \sqrt{3}} = \frac{2(\sqrt{2} + \sqrt{3})}{\sqrt{2} + \sqrt{3}} = 2$$

evitare:

$$\frac{\sqrt{8} + \sqrt{12}}{\sqrt{2} + \sqrt{3}} \cdot \frac{\sqrt{2} - \sqrt{3}}{\sqrt{2} - \sqrt{3}} = \frac{\sqrt{16} - \sqrt{24} + \sqrt{24} - \sqrt{36}}{2 - 3} = \frac{4 - 6}{-1} = \frac{-2}{-1} = 2$$

$$9) \frac{\sqrt{3} - 2}{\sqrt{3} + 2} \cdot \frac{\sqrt{3} - 2}{\sqrt{3} - 2} = \frac{3 - 4\sqrt{3} + 4}{3 - \textcircled{4}} = \frac{7 - 4\sqrt{3}}{-1} = 4\sqrt{3} - 7$$