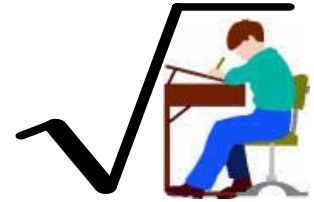


RADICALES 3



NOMBRE:

11. Opera y simplifica, escribiendo el resultado final:

$$a) \sqrt{27x^2y^5} \sqrt[3]{36x^7y^3} =$$

$$b) 2a^5 \sqrt{320a^{-7}} \sqrt{400a^9} =$$

$$c) \frac{8x \sqrt[5]{64x^2}}{2 \sqrt[3]{48x^{-2}}} =$$

$$d) \frac{\sqrt[3]{a^2bc^{-2}}}{3b^3 \sqrt{a^{-4}b^8c^{-1}}} =$$

12. Racionaliza, escribiendo el resultado final:

$$l) a) \frac{1}{\sqrt{5}} =$$

$$b) \frac{2}{\sqrt{3}} =$$

$$c) \frac{6}{\sqrt{2}} =$$

$$d) \frac{1}{2\sqrt{7}} =$$

$$e) \frac{1}{\sqrt[3]{2}} =$$

$$f) \frac{3}{\sqrt[3]{9}} =$$

$$g) \frac{2}{\sqrt[5]{5}} =$$

$$h) \frac{6}{\sqrt[5]{4}} =$$

$$i) \frac{\sqrt{3}}{\sqrt[3]{2^2}} =$$

$$j) \frac{\sqrt[3]{5}}{\sqrt[5]{3}} =$$

$$k) \frac{2\sqrt{2}}{4\sqrt[4]{2^5}} =$$

$$l) \frac{4}{\sqrt{5}\sqrt{3}} =$$

$$m) \frac{2\sqrt[5]{3}}{\sqrt[3]{2^7}} =$$

$$n) \frac{\sqrt{2^4}}{4\sqrt[5]{2^8}} =$$

$$\tilde{n}) \frac{1}{\sqrt[3]{2 \cdot 3^2}} =$$

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

$$p) -\frac{5}{3\sqrt{2}} =$$

$$q) \frac{3}{\sqrt[7]{3^5}} =$$

$$r) \frac{4}{\sqrt{5}\sqrt{3}} =$$

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

$$ll) a) \frac{1}{2\sqrt{3}-2} =$$

$$b) \frac{2}{3\sqrt{5}+2\sqrt{3}} =$$

$$c) \frac{5}{4\sqrt{5}+1} =$$

$$d) \frac{2}{2\sqrt{2}+3\sqrt{3}} =$$

$$e) \frac{2}{5\sqrt{2}+6} =$$

$$f) \frac{3}{2\sqrt{3}-5\sqrt{5}} =$$

$$g) \frac{4}{7\sqrt{2}-3} =$$

$$h) \frac{3}{6\sqrt{3}+\sqrt{5}} =$$

$$i) \frac{\sqrt{2}}{2\sqrt{5}-3} =$$

$$j) \frac{8\sqrt{5}}{2\sqrt{2}-6\sqrt{3}} =$$

$$k) \frac{3\sqrt{6}}{5+2\sqrt{5}} =$$

$$l) \frac{4\sqrt{3}}{4\sqrt{3}-1} =$$

$$m) \frac{3 \cdot \sqrt{5}}{3+2\sqrt{5}} =$$

$$n) \frac{2 \cdot \sqrt{2}}{2\sqrt{2}+4\sqrt{3}} =$$

$$\tilde{n}) \frac{3\sqrt{3}}{5\sqrt{3}-2\sqrt{4}} =$$