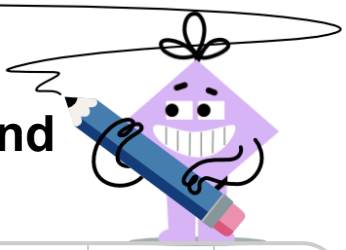
Name

Radicals - Divide Monomials (Values and Variables)



1 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13y}}{\sqrt{117y}}$$

A $\frac{4}{3}$ B 1 C $\frac{1}{4}$ D $\frac{1}{3}$

2 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{11t^3}}{\sqrt{99t^4}}$$

A $\frac{\sqrt{t}}{3t}$ B $\frac{\sqrt{t}}{3t^2}$ C 1 D $\sqrt{t}$ E $\frac{1}{t}$

3 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{3x^2}}{\sqrt{12}}$$

A x B $\frac{x\sqrt{2}}{2}$ C $\frac{1}{2}$ D $\frac{x}{2}$ E $\frac{x^3}{4}$

4 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13q^2}}{\sqrt{208q^3}}$$

A $\frac{1}{4q}$ B $\frac{\sqrt{3}}{12q}$ C $\sqrt{q}$ D $\frac{\sqrt{q}}{4q}$

5 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13}}{\sqrt{208}}$$

A $\frac{1}{4}$ B 1 C $\frac{\sqrt{3}}{2}$ D $\frac{1}{8}$

6 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{11m^4}}{\sqrt{44}}$$

A $\frac{2m^2}{5}$ B $2m^2$ C $\frac{m^2}{2}$ D $3m^2$ E $\frac{m^3}{2}$

7 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{44n^2}}{\sqrt{11n}}$$

A $5\sqrt{n}$ B $2\sqrt{n}$ C $3\sqrt{n}$ D $\frac{\sqrt{n}}{5}$

8 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{208n^4}}{\sqrt{13n^4}}$$

A 1 B $\frac{\sqrt{2}}{2}$ C 2 D 4