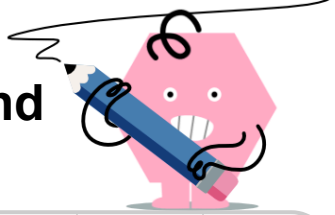
Name

Radicals - Divide Monomials (Values and Variables)



1 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{63d^3}}{\sqrt{7d^4}}$$

A $\frac{3}{d^3}$ B $\frac{\sqrt{d}}{d}$ C $\frac{\sqrt{d}}{d^{-1}}$

D $\frac{3\sqrt{d}}{d}$ E $\sqrt{d}$

2 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{208r^2}}{\sqrt{13}}$$

A r^2 B $4r$ C r

D $4r^2$ E $\frac{r}{3}$

3 Divide the radical expressions and simplify the answer

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

A $\frac{4\sqrt{z}}{z^2}$ B $\frac{2\sqrt{2}}{z^2}$ C $\frac{8\sqrt{z}}{z^2}$

D $\frac{\sqrt{z}}{z}$ E $\frac{2}{z}$

4 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{275p^3}}{\sqrt{11p^3}}$$

A 2 B 1 C $5\sqrt{2}$

D $\frac{1}{3}$ E 5

5 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{13}}{\sqrt{52}}$$

A 1 B $\frac{1}{5}$ C 4

D $\frac{1}{2}$

6 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{28b^3}}{\sqrt{7b^2}}$$

A $\sqrt{b}$ B $\frac{2b\sqrt{3}}{3}$ C $2\sqrt{b}$

D $\sqrt{2b^{-1}}$

7 Divide the radical expressions and simplify the answer

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

A 3 B 1 C $\frac{1}{2}$

D 4

8 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{18p^4}}{\sqrt{2p^4}}$$

A 6 B 1 C $\frac{1}{2}$

D 3 E $\frac{1}{5}$