



Radicals - Divide Monomials (Values and Variables)

1 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{12r}}{\sqrt{75}}$$

A $\frac{2\sqrt{r}}{5}$

B $2\sqrt{r}$ C $5\sqrt{r}$

D $2r\sqrt{r}$ E r

2 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{27}}{\sqrt{48m^3}}$$

A $\frac{3\sqrt{m}}{4m^2}$

B $\frac{3}{4m^3}$

C $\frac{\sqrt{m}}{m^3}$

D $\frac{3m}{4}$

E $\frac{\sqrt{m}}{4m^4}$

3 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{18r^4}}{\sqrt{8r}}$$

A $r\sqrt{r}$

B $\frac{3r^2\sqrt{r}}{2}$ C $6r\sqrt{r}$

D $\frac{3r\sqrt{r}}{2}$

4 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{175n^3}}{\sqrt{28n^3}}$$

A 1

B $\frac{1}{3}$

C 10

D $\frac{5}{2}$

E 2

5 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{20n}}{\sqrt{45n^2}}$$

A $\frac{\sqrt{n}}{3n^2}$

B $\frac{2\sqrt{n}}{3n}$

C $\frac{2}{n}$

6 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{32p^3}}{\sqrt{18p^2}}$$

A $\frac{8\sqrt{p}}{3}$

B $\frac{4}{3}$

C $4p$

D $4\sqrt{p}$

E $\frac{4\sqrt{p}}{3}$

7 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{27w}}{\sqrt{12w^4}}$$

A $\frac{3\sqrt{w}}{2w^2}$

B $\frac{3\sqrt{w}}{w^2}$

C $\frac{\sqrt{w}}{2w^4}$

D $\frac{3}{2w}$

E $\frac{\sqrt{w}}{2w^2}$

8 Divide the radical expressions and simplify the answer

$$\frac{\sqrt{125q^2}}{\sqrt{20q}}$$

A \sqrt{q}

B $\frac{5\sqrt{q}}{2}$

C 5

D $5\sqrt{3q}$

E $\frac{5q}{2}$