

Dividing Radical Expressions of Index 2

Simplify.

$$1) \frac{\sqrt{12}}{\sqrt{3}}$$

$$2) \frac{\sqrt{75}}{5\sqrt{3}}$$

$$3) \frac{5\sqrt{5}}{4\sqrt{20}}$$

$$4) \frac{3\sqrt{3}}{\sqrt{12}}$$

$$5) \frac{5\sqrt{8}}{4\sqrt{18}}$$

$$6) \frac{\sqrt{6}}{4\sqrt{8}}$$

$$7) \frac{5\sqrt{2u^3v^2}}{\sqrt{18uv^4}}$$

$$8) \frac{3\sqrt{50x^3y^5}}{\sqrt{2xy}}$$

$$9) \frac{\sqrt{6k^2}}{3\sqrt{54k^6}}$$

$$10) \frac{2\sqrt{5xz^3}}{\sqrt{80x^3z}}$$

$$11) -\frac{2\sqrt{15x}}{\sqrt{3x^3}}$$

$$12) \frac{\sqrt{3xy^2}}{\sqrt{25x^3y}}$$

Answers to Dividing Radical Expressions of Index 2

1) 2

2) 1

3) $\frac{5}{8}$

4) $\frac{3}{2}$

5) $\frac{5}{6}$

6) $\frac{\sqrt{3}}{8}$

7) $\frac{5u}{3v}$

8) $15xy^2$

9) $\frac{1}{9k^2}$

10) $\frac{z}{2x}$

11) $-\frac{2\sqrt{5}}{x}$

12) $\frac{\sqrt{3y}}{5x}$