

Rationalizing denominators practice

Simplify. Make sure there are no square roots in the denominator.

1) $\frac{3\sqrt{6}}{\sqrt{75}}$

2) $\frac{5\sqrt{8}}{\sqrt{100}}$

3) $\frac{3\sqrt{16}}{\sqrt{4}}$

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

5) $\frac{2\sqrt{8}}{5\sqrt{9}}$

6) $\frac{\sqrt{6}}{\sqrt{25}}$

7) $\frac{3\sqrt{25}}{4\sqrt{4}}$

8) $\frac{\sqrt{15}}{\sqrt{27}}$

9) $\frac{3\sqrt{12}}{2\sqrt{64}}$

10) $\frac{5\sqrt{2}}{5\sqrt{50}}$

11) $\frac{4}{\sqrt{5}}$

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

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

14) $\frac{5}{\sqrt{2}}$

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

16) $\frac{\sqrt{2}}{\sqrt{5}}$

17) $\frac{3\sqrt{3}}{3\sqrt{2}}$

18) $\frac{5\sqrt{5}}{4\sqrt{2}}$

19) $\frac{\sqrt{2}}{\sqrt{3}}$

20) $\frac{2\sqrt{12}}{2\sqrt{20}}$

Answers to Rationalizing denominators practice

$$1) \frac{3\sqrt{2}}{5}$$

$$5) \frac{4\sqrt{2}}{15}$$

$$9) \frac{3\sqrt{3}}{8}$$

$$13) \frac{2\sqrt{3}}{3}$$

$$17) \frac{\sqrt{6}}{2}$$

$$2) \sqrt{2}$$

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

$$10) \frac{1}{5}$$

$$14) \frac{5\sqrt{2}}{2}$$

$$18) \frac{5\sqrt{10}}{8}$$

$$3) 6$$

$$7) \frac{15}{8}$$

$$11) \frac{4\sqrt{5}}{5}$$

$$15) \frac{10\sqrt{3}}{3}$$

$$19) \frac{\sqrt{6}}{3}$$

$$4) 1$$

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

$$12) \frac{5\sqrt{3}}{6}$$

$$16) \frac{\sqrt{10}}{5}$$

$$20) \frac{\sqrt{15}}{5}$$