Rationalizing Radical Expressions

1. Rationalize each denominator. Assume all variables are positive.

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

2. Rationalize each denominator. Assume all variables are positive.

$$\frac{7}{\sqrt{28}}$$

3. Rationalize each denominator. Assume all variables are positive.

$$\sqrt{\frac{7}{x}}$$

4. Rationalize each denominator. Assume all variables are positive.

$$\sqrt[3]{\frac{-9}{x}}$$

5. Rationalize each denominator. Assume all variables are positive.

$$\frac{4}{\sqrt[5]{64x^3}}$$

6. Rationalize each denominator. Assume all variables are positive.

$$\frac{4}{\sqrt[7]{a^2b^4}}$$

7. Rationalize each denominator. Assume all variables are positive.

$$\frac{8}{\sqrt{5}-1}$$

8. Rationalize each denominator. Assume all variables are positive.

$$\frac{2\sqrt{x}}{\sqrt{x}-\sqrt{y}}$$

9. Rationalize each denominator. Assume all variables are positive.

$$\frac{\sqrt{x}+2}{\sqrt{x}-2}$$