

Radicals – Rationalizing the Denominator

Procedure

1. Multiply the expression by ONE to get rid of the radical in the denominator.
 - a) if the denominator is a single radical, multiply by ONE in fractional form using a single radical so the index matches the exponent – $\sqrt[n]{x^n}$
 - b) if the denominator is a binomial, multiply by ONE in fractional form using the conjugate.

1. $\frac{4}{\sqrt{3}}$

2. $\frac{5}{\sqrt{2}}$

3. $\frac{1}{\sqrt{3}}$

4. $\frac{1}{\sqrt{2}}$

5. $\frac{1}{\sqrt{3}+2}$

6. $\frac{1}{\sqrt{5}-1}$

7. $\frac{3}{\sqrt{5}+4}$

8. $\frac{2}{\sqrt{5}-3}$