

Simplifying Radicals Exit Quiz

1. Perform the indicated operations and simplify your answer. Assume that all variables represent positive real numbers.

1. $\sqrt{\frac{12a^3}{36b^2}} =$

2. $\sqrt[3]{135x^5} =$

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

4. $\sqrt{108x^5y^8} =$

2. MULTIPLE CHOICE: Simplify (Show Work!)

5. $\frac{3}{5 - \sqrt{5}} =$

a.) $\frac{15 + 3\sqrt{5}}{20}$

b.) $\frac{15 + \sqrt{5}}{20}$

c.) $\frac{15 + \sqrt{15}}{20}$

d.) $\frac{15 - 3\sqrt{5}}{20}$