

Exponents and Radicals

Directions: Solve each equation.

1.) $2^3 =$

2.) $5^{-2} =$

3.) $(-3)^4 =$

4.) $4^{\frac{1}{2}} =$

5.) $8^{\frac{1}{3}} =$

6.) $27^{\frac{2}{3}} =$

Directions: Simplify each radical expression.

7.) $\sqrt{16} =$

8.) $\sqrt{25} =$

9.) $\sqrt{49} =$

Directions: Solve each equation.

10.) $\sqrt{x} = 5$

11.) $2\sqrt{y} = 10$

12.) $\sqrt{z + 3} = 7$

