**Mini-Lesson #7 – Solving Equations with Roots (Math 7 Plus)**

* Squares and Square Roots are INVERSE OPERARTIONS!!
* **32 = 9** “square”
* $\sqrt{9}$ **= 3** “ square root”
* **Solve each of the following equations. Make sure to give the complete answer.**

1**.**  = 10 2.  = 4 3.  = 3

4.  + $\sqrt{x}$ = 13 5.  - 6 = 7 6. = 144

7.  8. x2 – 7 = 93

* **What do you think about these problems?**

1.  = *x* 2.  + *x* =  3. 

4.  5.  6. 

1. The formula for the volume of a sphere is . If the volume of a given sphere is 2304π, determine the radius of the sphere.