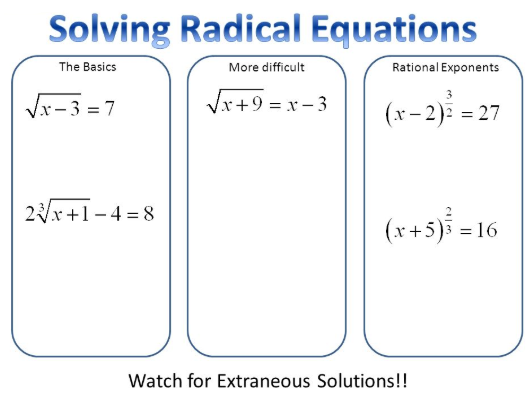
**Module 2 Lesson #8: Solving Radical Functions (section 6.5)**



Learning Targets:

I can….

* Solve a square root equation.
* Identify extraneous roots.
* Solve radical equations with rational exponents by raising each side to the reciprocal power

**Solving Radical Equations**

Example 1: What is the solution of ? Check your answer.

Example 2: What is the solution of ?

THINK

*How can you get rid of a rational exponent?*

Example 3: What is the solution of ?

Example 4: Find all the solutions to .

Example 5: What is the solution of ? Check your answer graphically.

Example 6: What is the solution of

Application: For Meteor Crater in Arizona, the formula relates the diameter of the rim (in meters) to the volume (in cubic meters). What is the volume of Meteor Crater if its diameter is ?

HOMEWORK: Extra Examples:

Find the solution to each of the following problems:

1. 3.