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## Algebra 2 and Pre-Calculus

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Graph paper, student note-taking guide, warm-ups, exponent reference sheet, paper and pencils.

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### Warm-Up Solutions



**Activity:** Play “Guess my exponent.” Use this activity to help introduce solving exponential equations in an informal way. Use an exponent reference sheet as students need help.

### **Guess My Exponent (Solutions)**

Use this definition to complete the following **examples**:

**Example 1:**

**Example 2:**

**Example 3:**

## Graphing Activity

**Part 1:** Graph the line  $h(x) = \dots$ .

**Part 2:** Graph the function  $(x) = 2^x$ .

Please use the table provided and show all work.

**Part 3:** Graph the function  $f(x) = \log_2 x$ .

Please use the table provided and show all work.

**Guess My Exponent**









## Common Core Standards

Building Functions

F.BF

Analyze functions using different representations.

9. Compare the properties of two functions each represented in a different way.