SM3 Radical and Absolute Graphs

**CORE STANDARDS**

A.REI.2

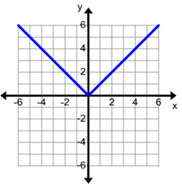
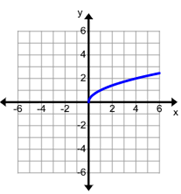
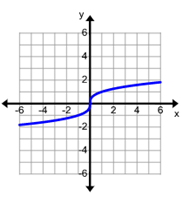
LESSON

**3-3**

OBJECTIVE **1.** I can graph absolute value and radical functions.

NOTES Parent Functions:

Absolute Value: Square Root: Cubic Root:



Vertex is

To graph: determine the vertex then determine the slope. Please note that this is symmetrical across line .

Starting point is at

To graph: Determine the starting point and find the appropriate arc.

Center point at

To graph: Determine the center and find surrounding points. Please note the rotational symmetry

EXAMPLES

1. 2. 3.

[](http://www.bing.com/images/search?q=coordinate+plane&view=detail&id=2F1ED028558F50A28B1B56C404A235D27AE48820&first=0&FORM=IDFRIR)