2-2 Transformations

Objectives:

2-2a: I can identify transformations from an equation and from a graph.

2-2b: I can identify attributes of transformed functions.

May 27-8:44 AM

$$y = a(x-h)+k$$

Domain changes
Range changes

	Vertical (Range)	Horizontal (Domain)
Shift		
Stretch/Compress		-----
Reflection		-----

Aug 11-8:51 AM

Information to remember about transformations....

x's lie

any change to the domain (x's) is opposite of what appears in the equation

Aug 11-8:52 AM

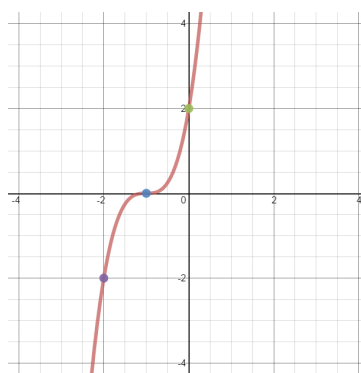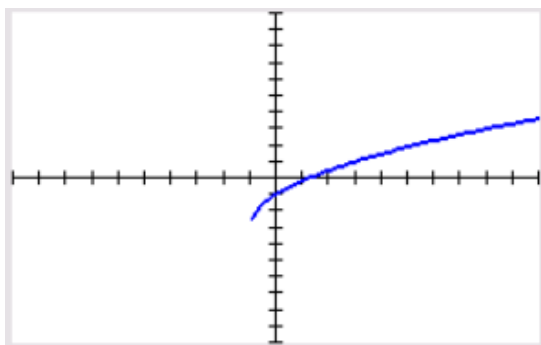State the parent function and the transformations.

$$f(x) = \sqrt{x} - 2 \qquad\qquad f(x) = (x+3)^3$$

$$f(x) = 2|x| \qquad\qquad f(x) = -2^x + 5$$
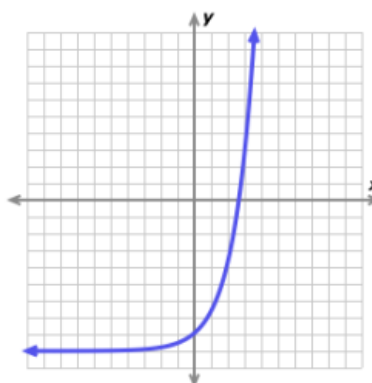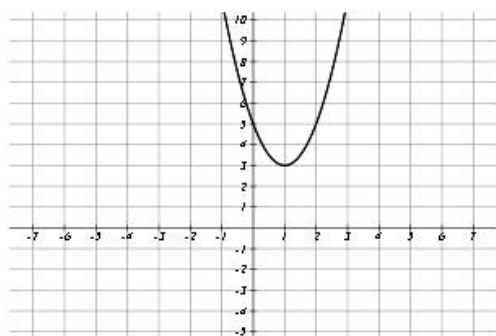
$$f(x) = 2(x+1)^2 - 3$$

Aug 11-8:53 AM

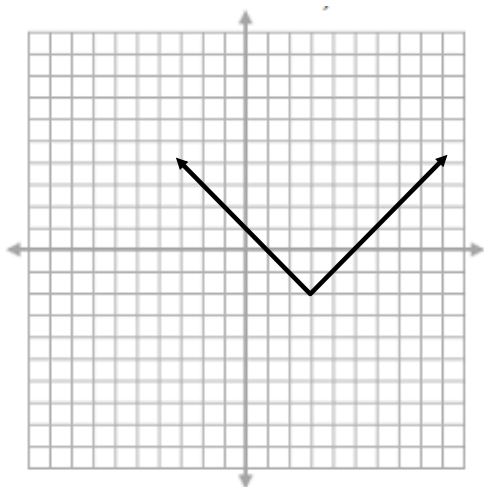## State the parent function and the transformations.

Jul 27-8:49 AM

State the parent function and identify the transformations and graph

Aug 14-4:18 PM

State the parent function, transformations, and attributes of the graph.

Parent Function:

Transformations:

Domain:

Range:

Increasing:

Decreasing:

Left End Behavior:

Right End Behavior:

x-intercepts:

y-intercepts:

Sep 19-7:28 AM