Objective 2 - Graph

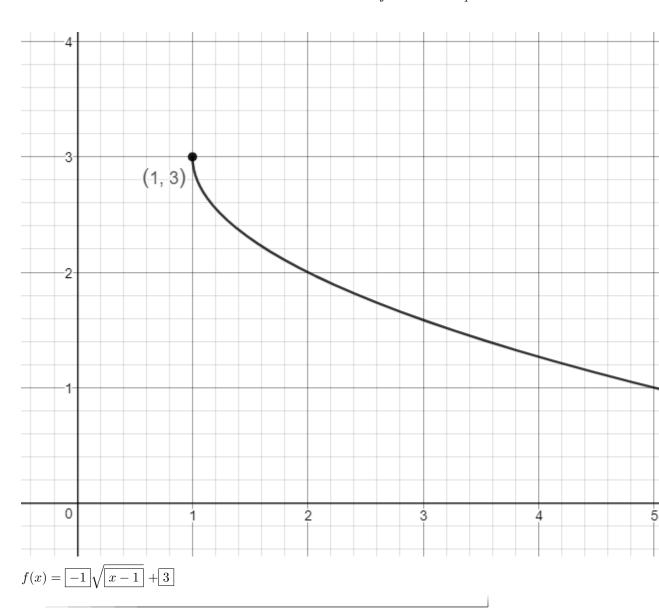
Identify the graph of a radical function.

Note: No section in the textbook directly talks about how to graph radical functions.

First, watch this video to learn how to convert between a radical function and its graph. I also suggest visiting this Desmos page to see how various numbers affect radical functions. Focus on what changing h and k does to each type of radical function.

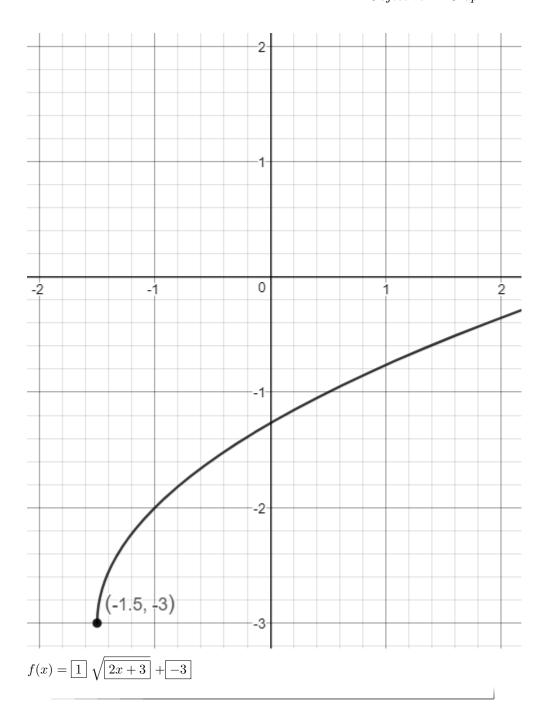
Question 1 Write the equation of the function graphed below. Assume a = 1 or a = -1.

Learning outcomes: Author(s): Darryl Chamberlain Jr.

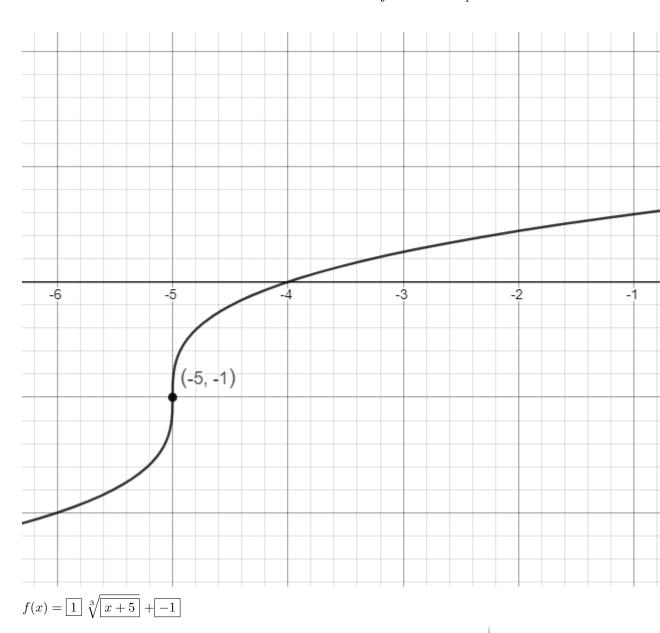


Question 2 Write the equation of the function graphed below. Assume a=1 or a=-1.

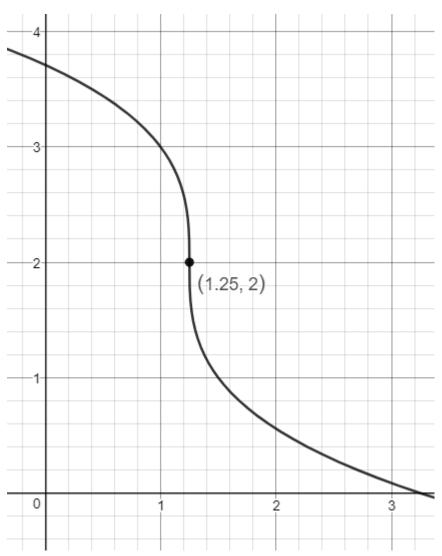
Hint: Be sure to remove the decimal. For example, if x is shifting by 0.75 to the right, then standard form would be 4x-3 rather than x-0.75.



Question 3 Write the equation of the function graphed below.



Question 4 Write the equation of the function graphed below. Hint: Be sure to remove the decimal. For example, if x is shifting by 0.75 to the right, then standard form would be 4x-3 rather than x-0.75.



 $f(x) = \boxed{-1}\sqrt[3]{4x-5} + \boxed{2}$