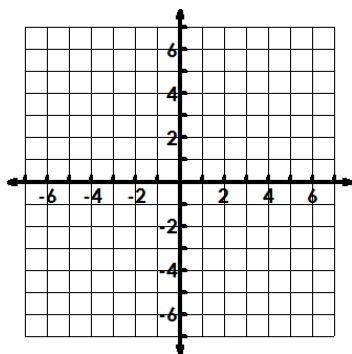


Sketch the graph and fill in the chart for each. Make a chart of your points by each graph.

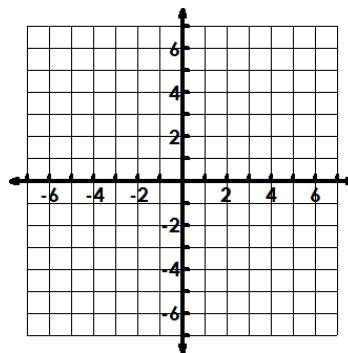
1.  $f(x) = \sqrt{x}$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	x-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



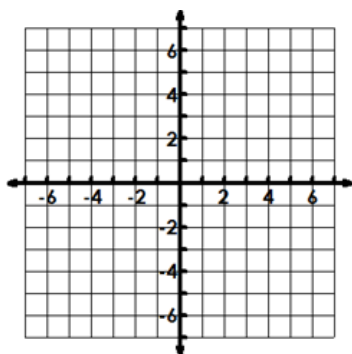
2.  $f(x) = \sqrt{-x}$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	y-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



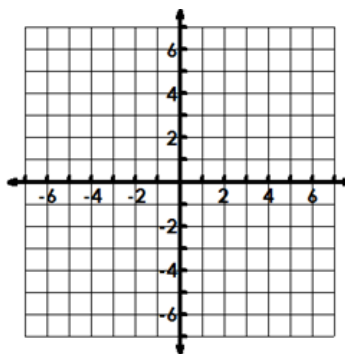
3.  $f(x) = \sqrt[3]{x}$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	y-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



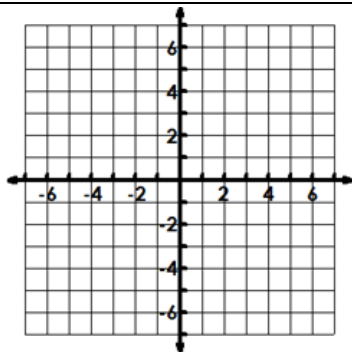
4.  $f(x) = -\sqrt[3]{x}$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	x-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



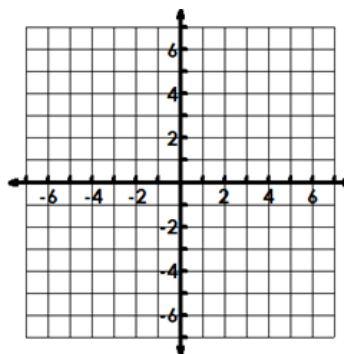
5.  $f(x) = -4\sqrt{x+2} - 3$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	y-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



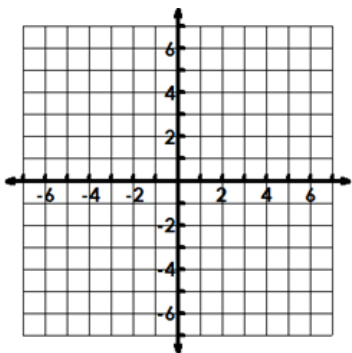
6.  $f(x) = \sqrt{-2(x+1)} + 2$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	x-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



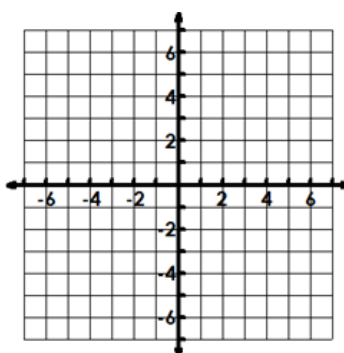
7.  $f(x) = -2\sqrt[3]{x-1} + 3$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	x-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



8.  $f(x) = \sqrt[3]{-3(x+2)} - 4$

Starting Pt:	Inc or Dec:
Domain:	Range:
Abs. Max or Abs Min:	y-int:
End Behavior: $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$ $x \rightarrow \underline{\hspace{1cm}}, f(x) \rightarrow \underline{\hspace{1cm}}$	



**Write the equation of the radical with the given transformations.**

9. Compressed vertically by  $\frac{1}{4}$ , reflected over the y-axis, left 4, and down 72.

10. Stretched horizontally by 7, reflected over the x-axis, right 13, and up 42.