

Graphing Radicals

Date _____ Period _____

Identify the domain and range of each.

1) $y = \sqrt{x-2} + 5$

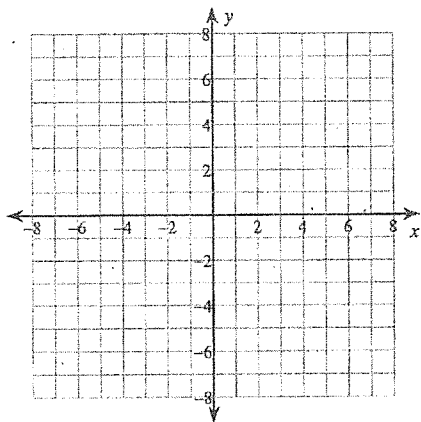
2) $y = \sqrt{x+2} - 3$

3) $y = \sqrt{x+1} - 4$

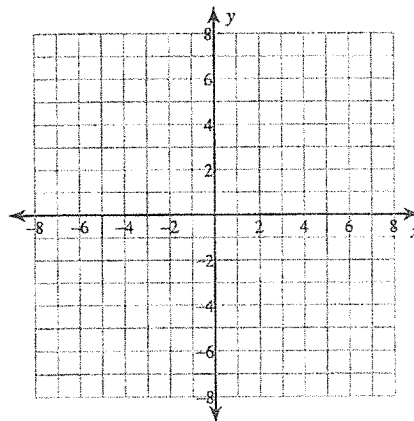
4) $y = \sqrt{x-1} - 1$

Sketch the graph of each function.

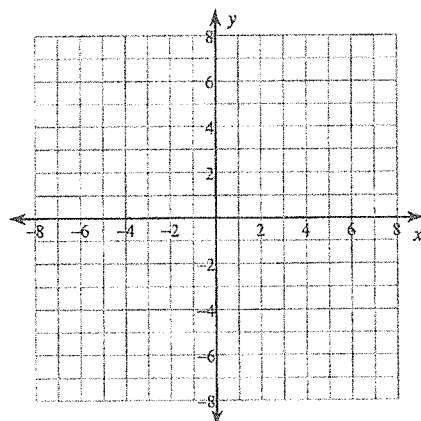
5) $y = \sqrt{x} + 5$



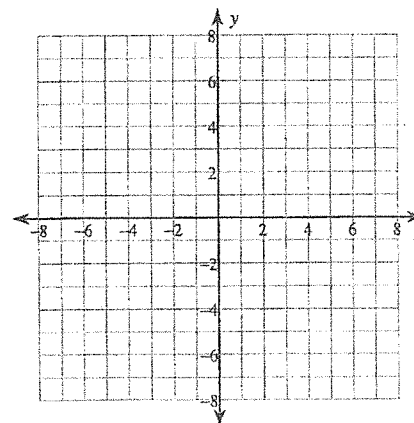
6) $y = \sqrt{x} - 2$



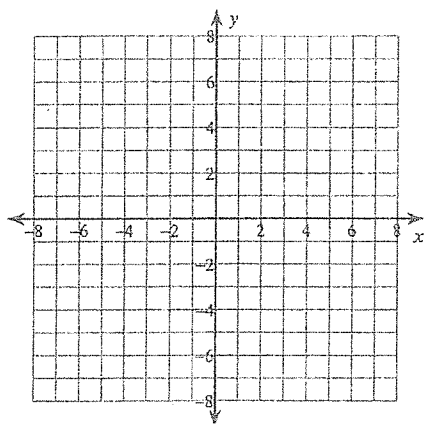
7) $y = 3 + \sqrt{x}$



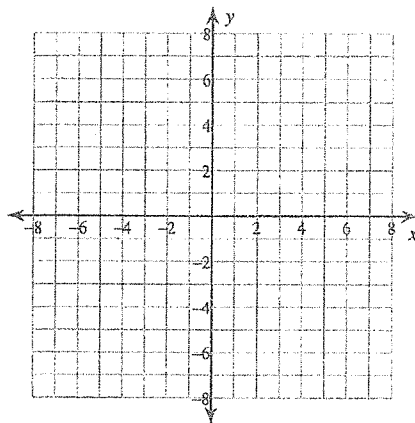
8) $y = \sqrt{x} + 4$



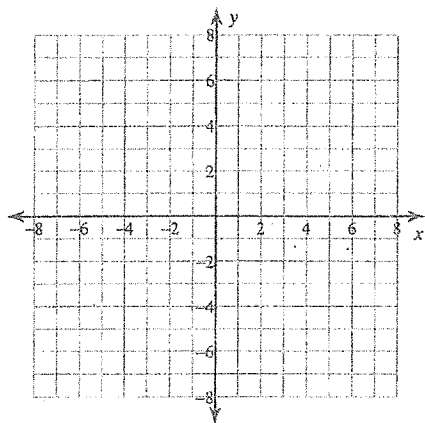
9) $y = -2\sqrt{x+2}$



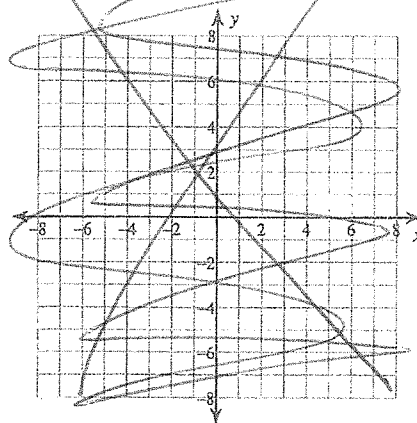
10) $y = \frac{1}{2}\sqrt[3]{x+1} + 4$



11) $y = \sqrt{x-4} - 2$

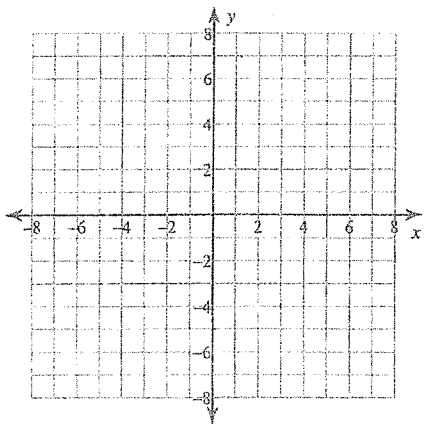


12) $y = -2 + \sqrt[3]{x}$



Identify the domain and range of each. Then sketch the graph.

13) $y = 4\sqrt{x-2} - 1$



14) $y = -\frac{3}{4}\sqrt{x-1} + 4$

