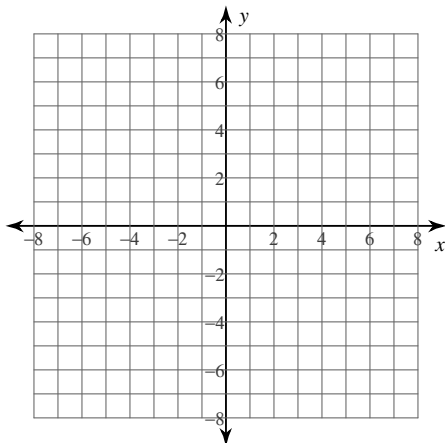


Graphing Square Roots Class Work

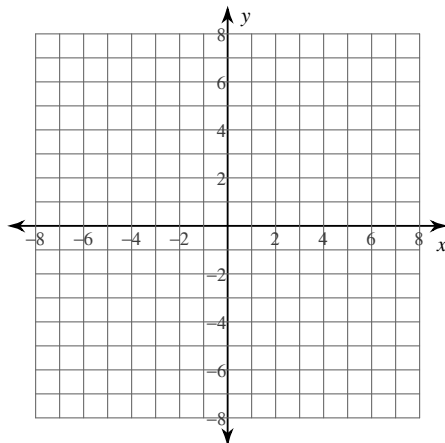
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Identify the domain and range of each. Then sketch the graph.

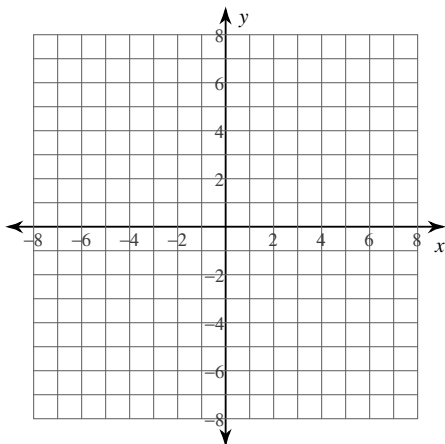
1) $y = \sqrt{x} - 1$



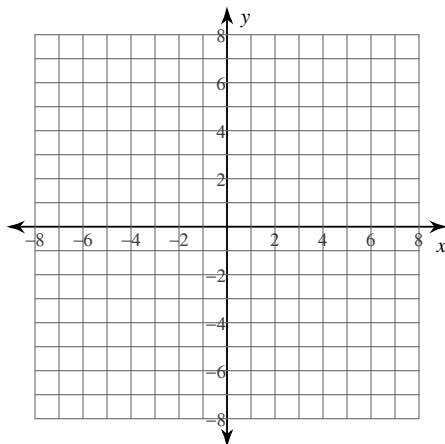
2) $y = 2\sqrt{x}$



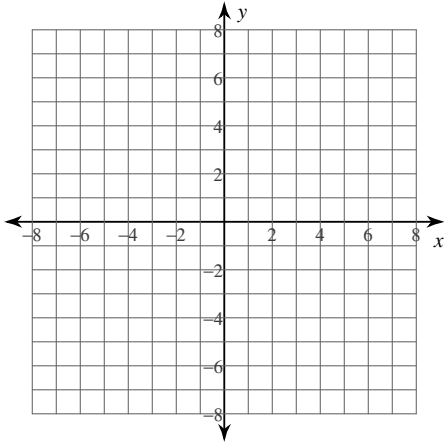
3) $y = -2 + \sqrt{x+1}$



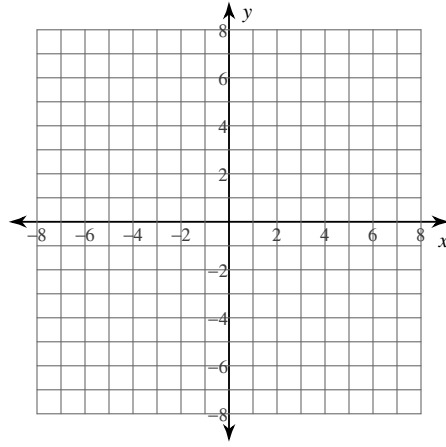
4) $y = \sqrt{x+6} + 1$



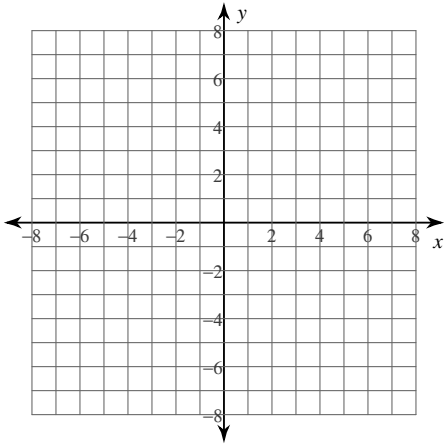
5) $y = \sqrt{x}$



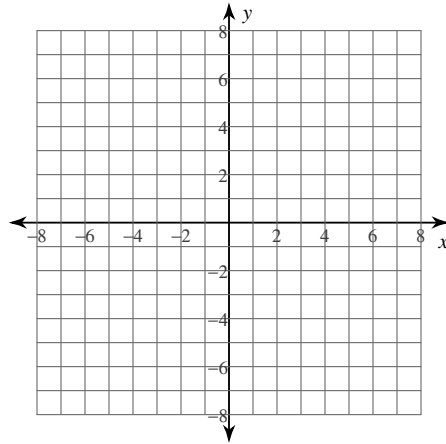
6) $y = \sqrt{x} + 2$



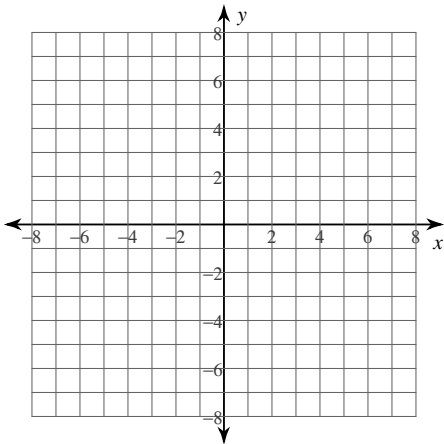
7) $y = \sqrt{x - 3} + 1$



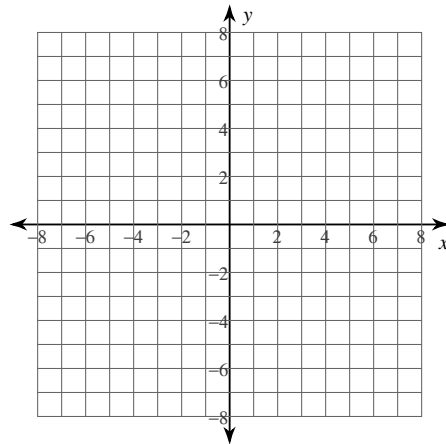
8) $y = \sqrt{x} + 3$



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

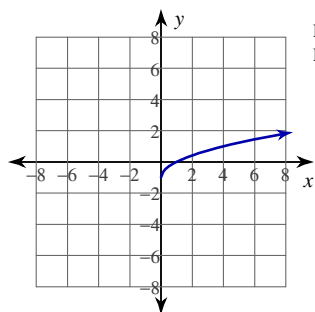


10) $y = \sqrt{x - 2}$



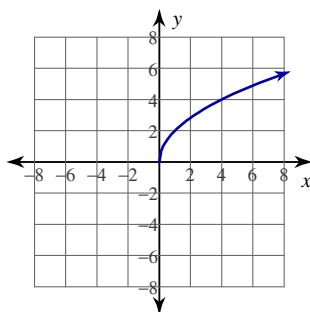
Answers to Graphing Square Roots Class Work

1)



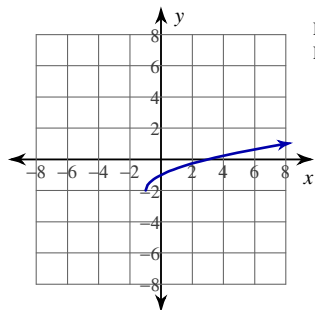
Domain: $x \geq 0$
Range: $y \geq -1$

2)



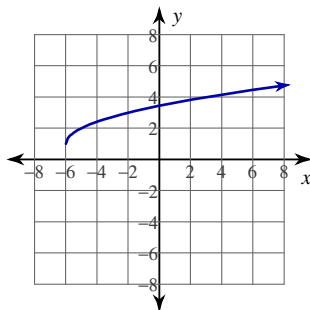
Domain: $x \geq 0$
Range: $y \geq 0$

3)



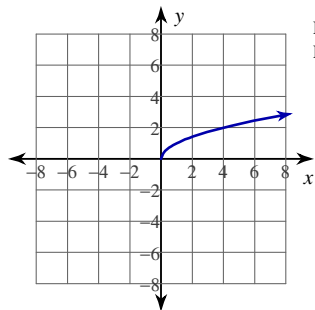
Domain: $x \geq -1$
Range: $y \geq -2$

4)



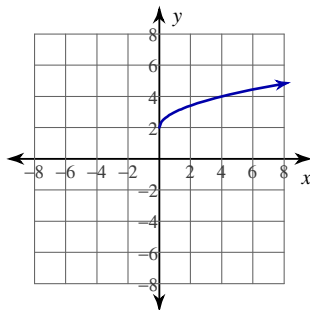
Domain: $x \geq -6$
Range: $y \geq 1$

5)



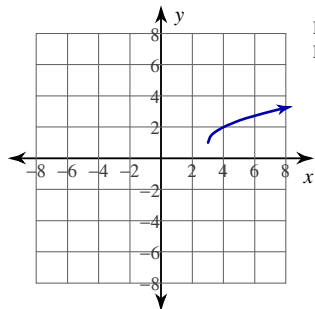
Domain: $x \geq 0$
Range: $y \geq 0$

6)



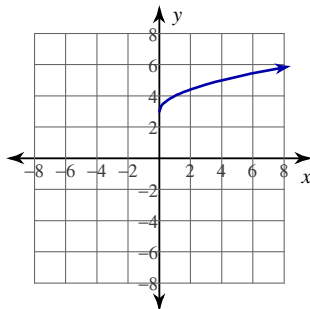
Domain: $x \geq 0$
Range: $y \geq 2$

7)



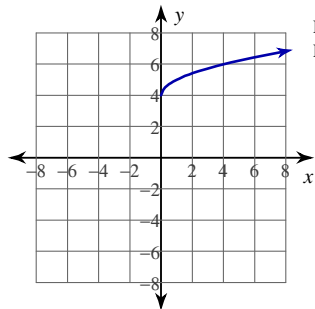
Domain: $x \geq 3$
Range: $y \geq 1$

8)



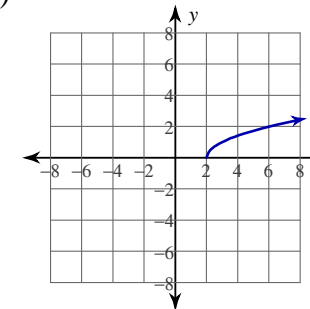
Domain: $x \geq 0$
Range: $y \geq 3$

9)



Domain: $x \geq 0$
Range: $y \geq 4$

10)



Domain: $x \geq 2$
Range: $y \geq 0$