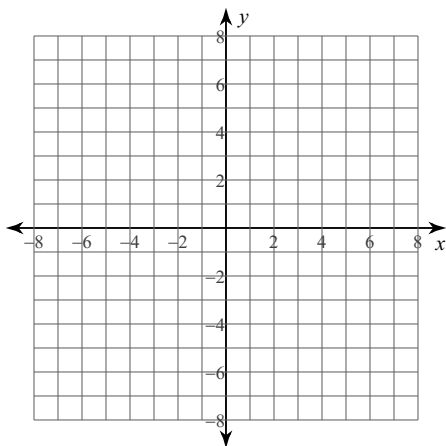


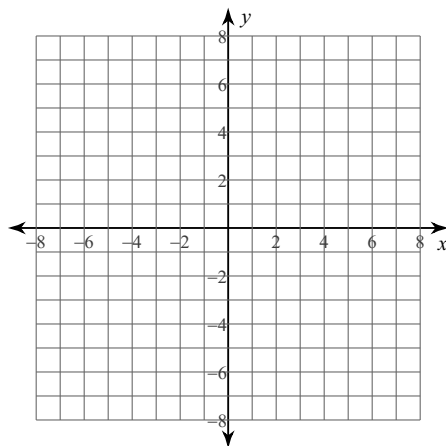
## Graphing Radical Equations

**Sketch the graph. Then Identify the domain and range.**

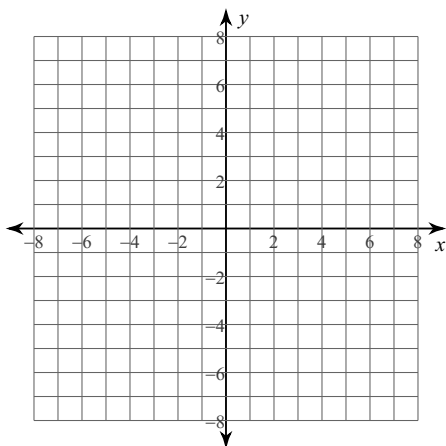
1)  $y = \sqrt{x-2}$



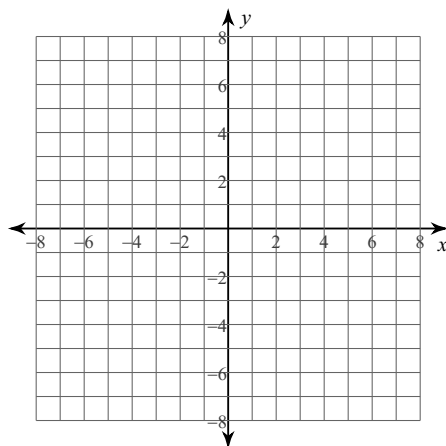
2)  $y = \sqrt{x} + 4$



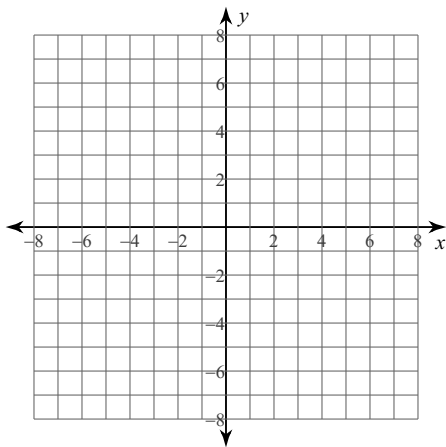
3)  $y = \sqrt{x+3}$



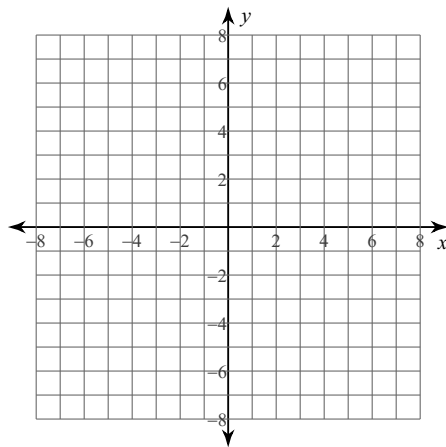
4)  $y = \sqrt{x-3} - 5$



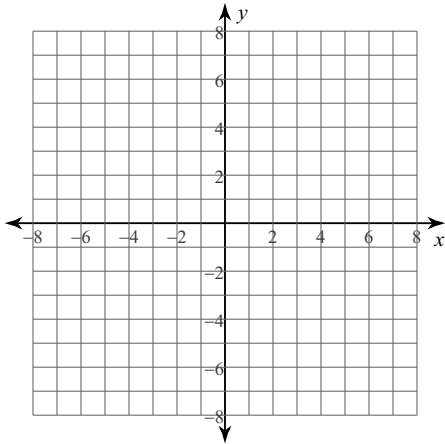
5)  $y = \sqrt{x+2} + 3$



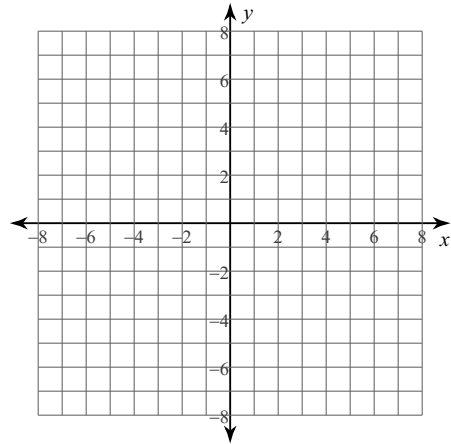
6)  $y = \sqrt{x-4} - 3$



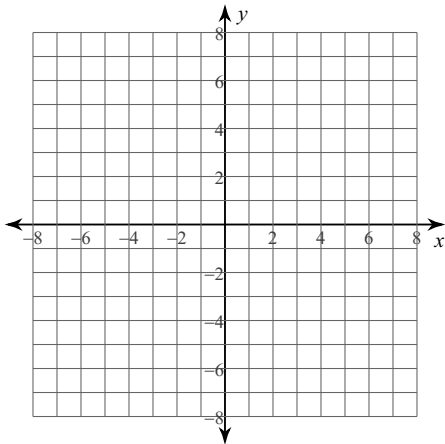
7)  $y = 2\sqrt{x}$



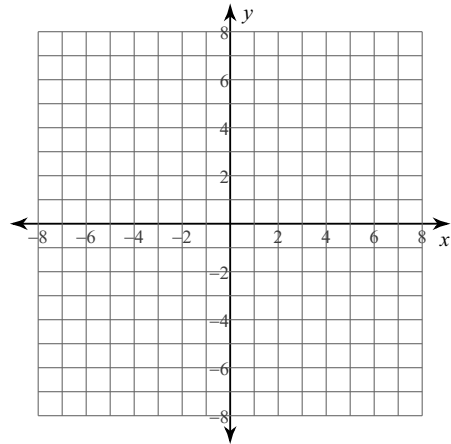
8)  $y = 2\sqrt{x} - 1$



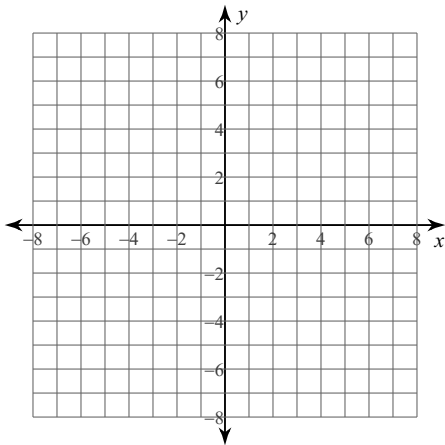
9)  $y = \frac{1}{2}\sqrt{x+5}$



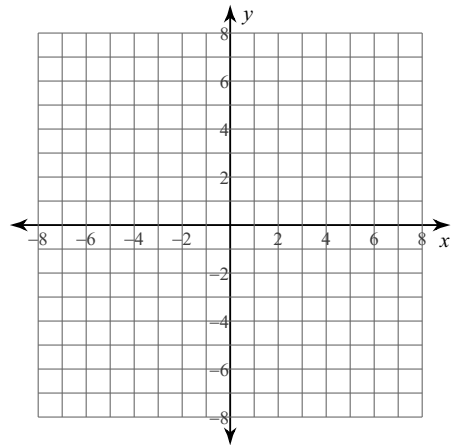
10)  $y = 4\sqrt{x-3}$



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

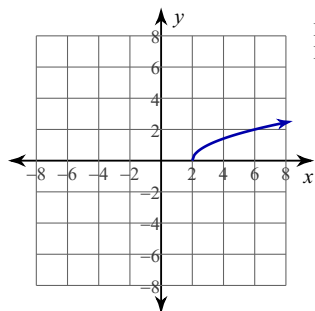


12)  $y = 2\sqrt{x+5} + 1$



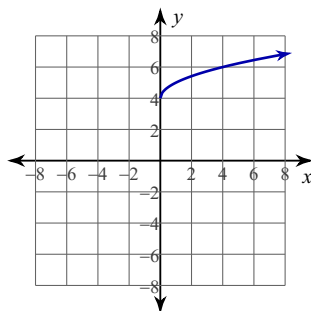
# Answers to Graphing Radical Equations

1)



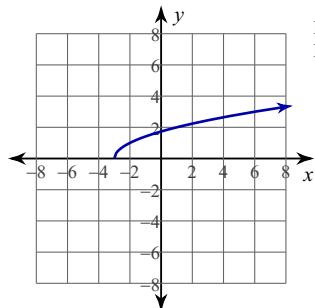
Domain:  $x \geq 2$   
Range:  $y \geq 0$

2)



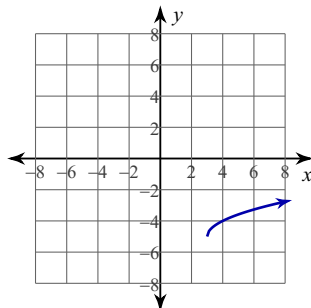
Domain:  $x \geq 0$   
Range:  $y \geq 4$

3)



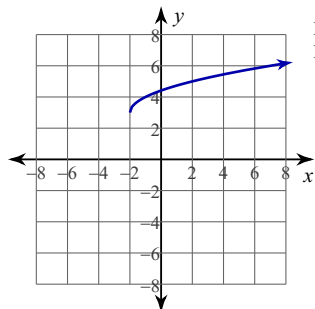
Domain:  $x \geq -3$   
Range:  $y \geq 0$

4)



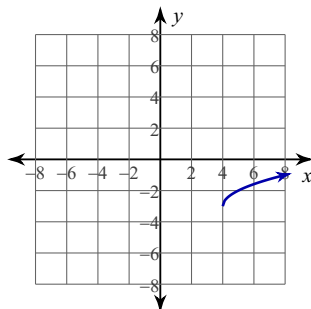
Domain:  $x \geq 4$   
Range:  $y \geq -5$

5)



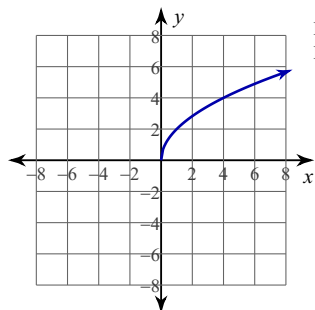
Domain:  $x \geq -2$   
Range:  $y \geq 3$

6)



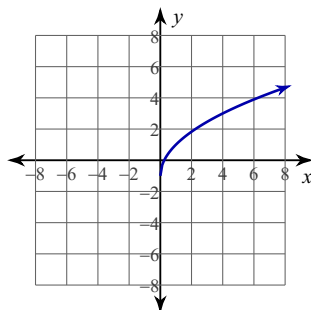
Domain:  $x \geq 4$   
Range:  $y \geq -3$

7)



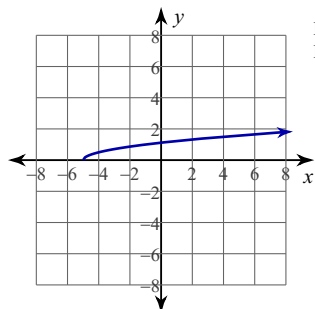
Domain:  $x \geq 0$   
Range:  $y \geq 0$

8)



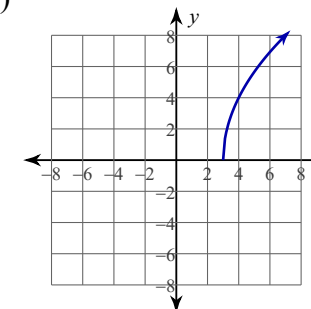
Domain:  $x \geq 0$   
Range:  $y \geq -1$

9)



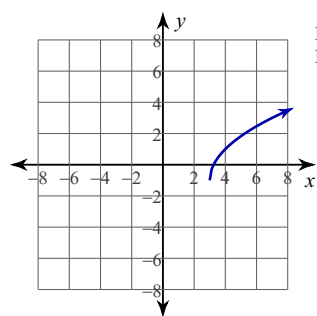
Domain:  $x \geq -5$   
Range:  $y \geq 0$

10)



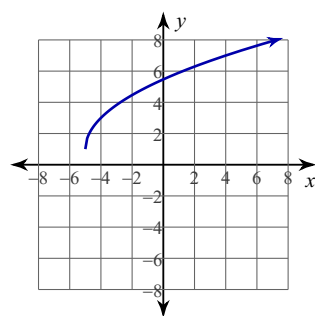
Domain:  $x \geq 3$   
Range:  $y \geq 0$

11)



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

12)



Domain:  $x \geq -5$   
Range:  $y \geq 1$