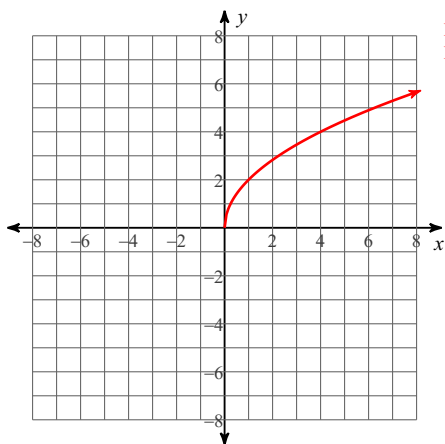


Math 2 Unit 3.5 Practice Graph Radicals

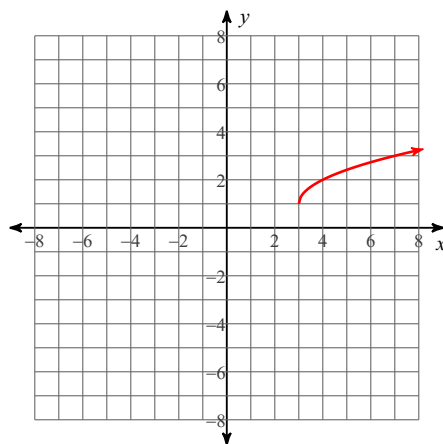
Sketch the graph. Then identify the domain and range of each.

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



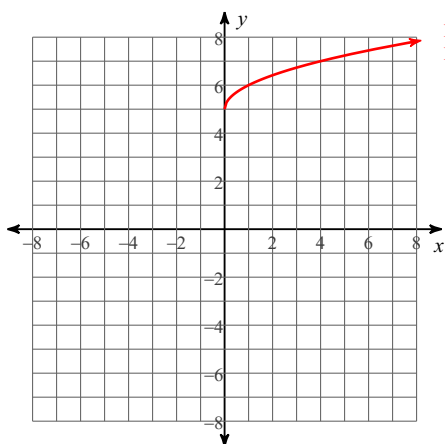
Domain: $x \geq 0$
Range: $y \geq 0$

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



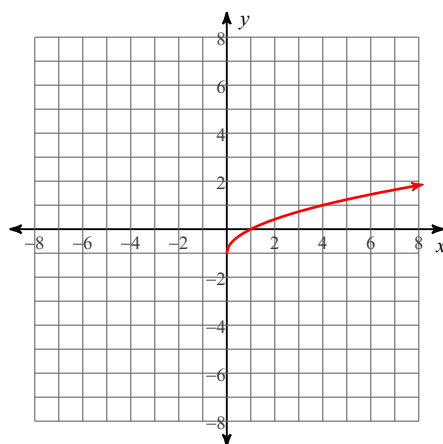
Domain: $x \geq 3$
Range: $y \geq 1$

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



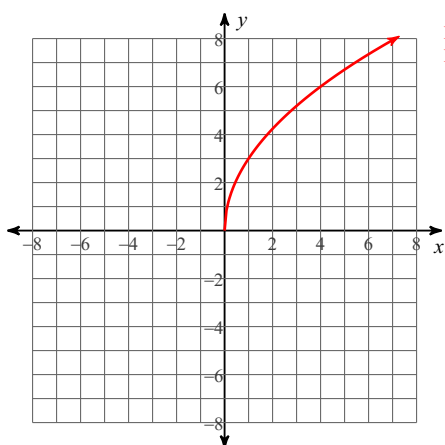
Domain: $x \geq 0$
Range: $y \geq 5$

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



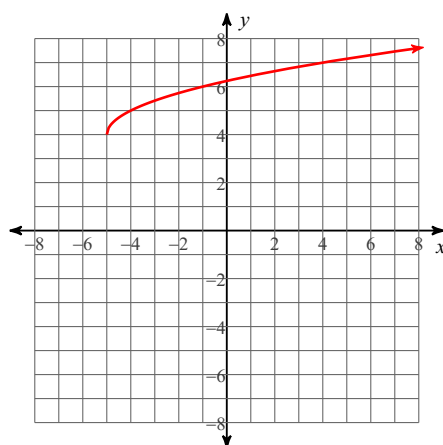
Domain: $x \geq 0$
Range: $y \geq -1$

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



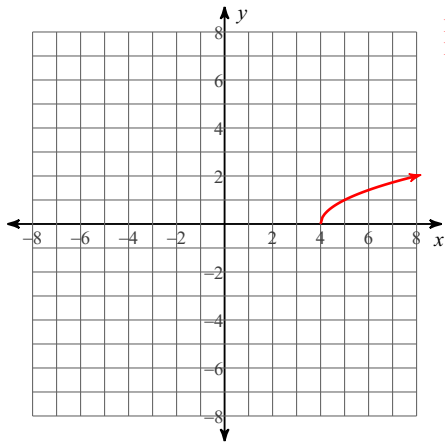
Domain: $x \geq 0$
Range: $y \geq 0$

6) $y = \sqrt{x + 5} + 4$



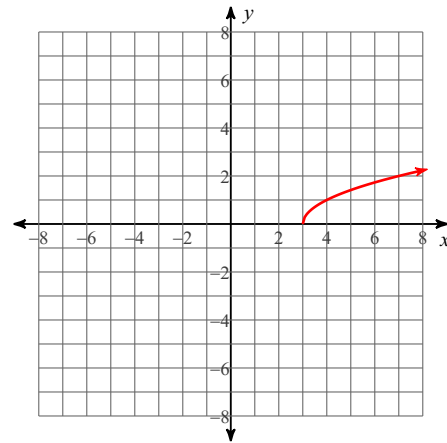
Domain: $x \geq -5$
Range: $y \geq 4$

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



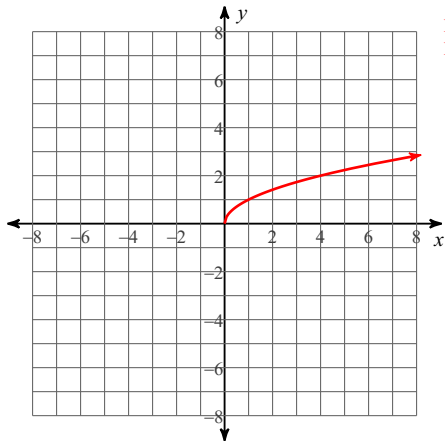
Domain: $x \geq 4$
Range: $y \geq 0$

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



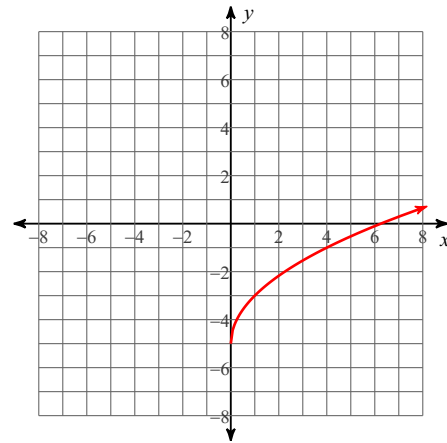
Domain: $x \geq 3$
Range: $y \geq 0$

9) $y = \sqrt{x}$



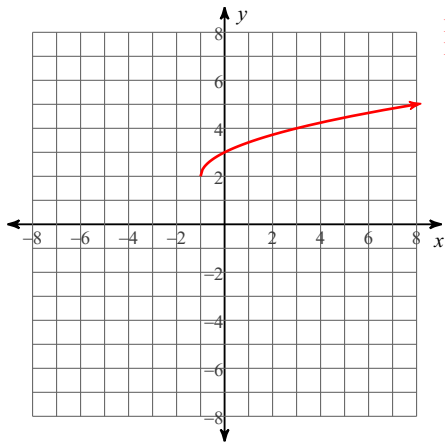
Domain: $x \geq 0$
Range: $y \geq 0$

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



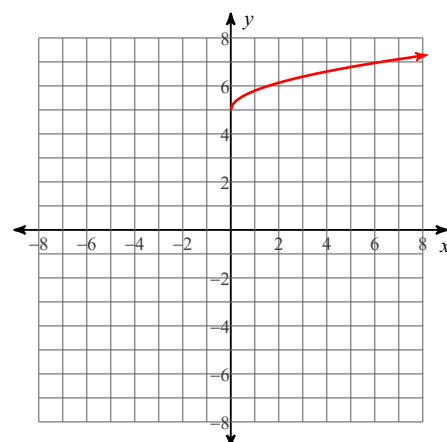
Domain: $x \geq 0$
Range: $y \geq -5$

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



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

12) $y = \sqrt{\frac{16x}{25}} + 5$



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