Find the Domain of each function:

$$f(x) = \frac{\sqrt{5}}{x^2 - 3x} \qquad f(x) = \frac{3x^2 + 5x}{x - 7} \qquad f(x) = \sqrt{x - 4}$$
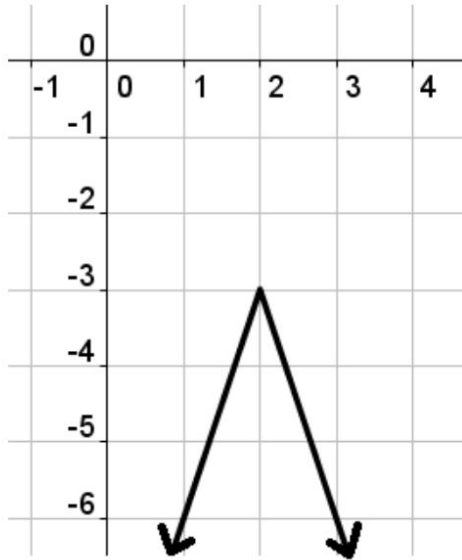
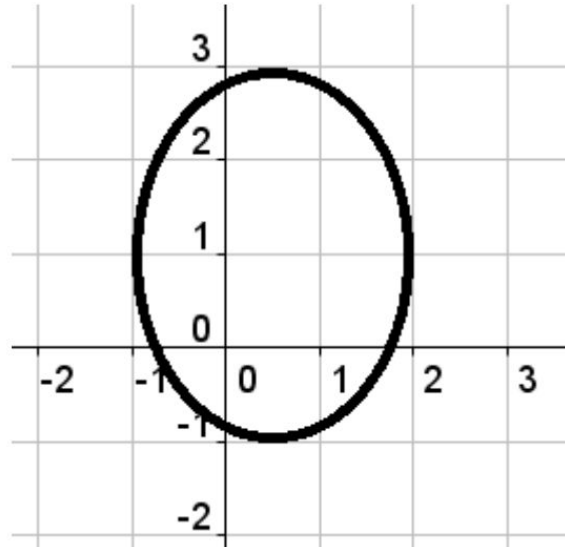$$(-\infty, 0) \cup (0, 3) \cup (3, \infty) \qquad (-\infty, 7) \cup (7, \infty) \qquad [4, \infty)$$
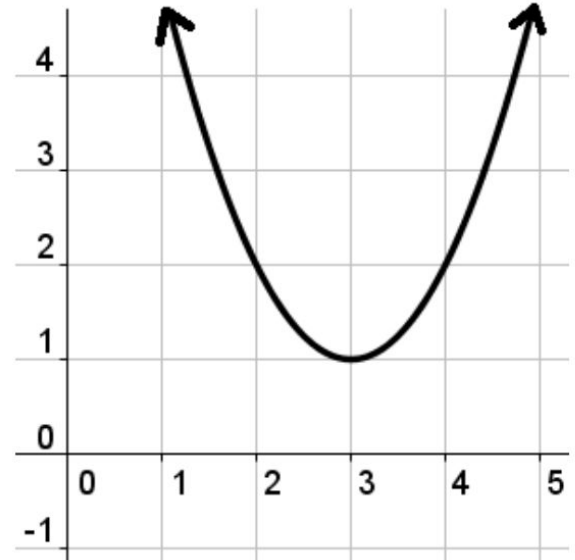
Find the Domain and Range of each:

Domain: (–∞, ∞)

Range: (–∞, -3]

Domain: [-1, 2]

Range: [-1, 3]

Domain: (–∞, ∞)

Range: [1, ∞)

Find the Domain of each function:

$$f(x) = \frac{\sqrt{2x-3}}{5}$$

$$f(x) = \frac{\sqrt{3x+10}}{2x^2-3x-5}$$
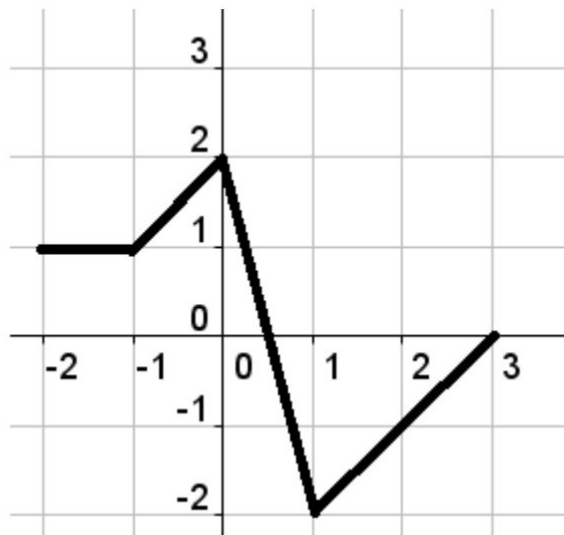
$$\left[\frac{3}{2}, \infty\right)$$

$$\left[-\frac{10}{3}, -1\right) \cup \left(-1, \frac{5}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$$
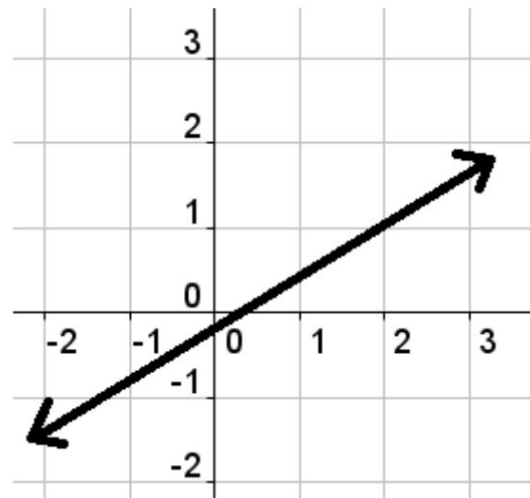
Find the Domain and Range of each:
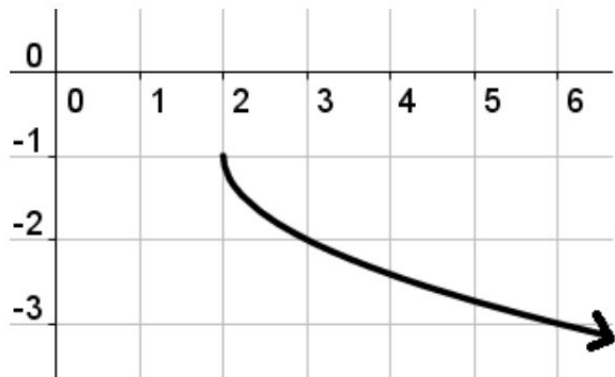
Domain: [2, ∞)

Range: (−∞, -1]

Domain: [-2, 3]

Range: [-2, 2]

Domain: (−∞, ∞)

Range: (−∞, ∞)