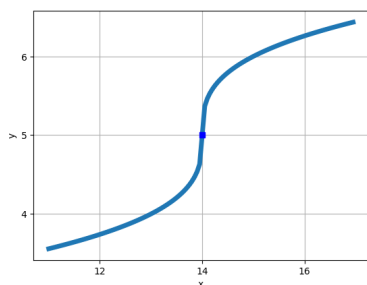


21. What is the domain of the function below?

$$f(x) = \sqrt[7]{6x - 9}$$

- A. The domain is $(-\infty, a]$, where $a \in [0.89, 3.21]$
- B. The domain is $[a, \infty)$, where $a \in [0.4, 0.8]$
- C. The domain is $(-\infty, a]$, where $a \in [-0.94, 1.15]$
- D. $(-\infty, \infty)$
- E. The domain is $[a, \infty)$, where $a \in [0.9, 1.9]$

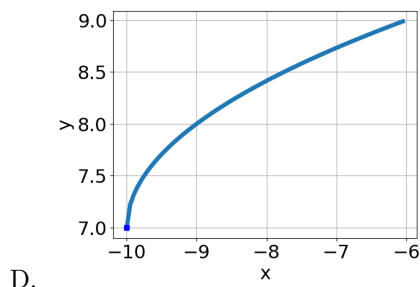
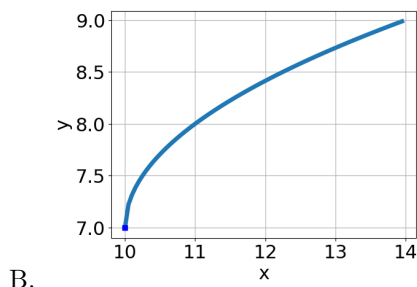
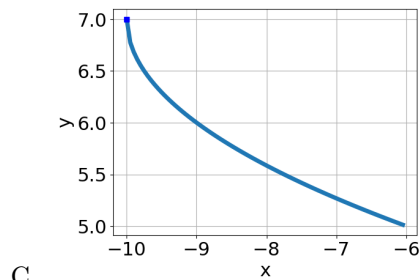
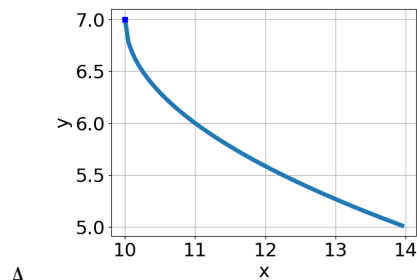
22. Choose the equation of the function graphed below.



- A. $f(x) = \sqrt[3]{x + 10} + 5$
- B. $f(x) = -\sqrt[3]{x - 10} + 5$
- C. $f(x) = \sqrt[3]{x - 10} + 5$
- D. $f(x) = -\sqrt[3]{x + 10} + 5$

23. Choose the graph of the equation below.

$$f(x) = -\sqrt[3]{x + 14} + 4$$



24. Solve the radical equation below. Then, choose the interval(s) that the solution(s) belongs to.

$$\sqrt{-2x-8} - \sqrt{9x+4} = 0$$

- A. All solutions lead to invalid or complex values in the equation.
 - B. $x \in [0, 4]$
 - C. $x \in [-3, 0]$
 - D. $x_1 \in [-3, 0]$ and $x_2 \in [-1.9, -0.2]$
 - E. $x_1 \in [-3, 0]$ and $x_2 \in [-0.6, 3.1]$
-

25. Solve the radical equation below. Then, choose the interval(s) that the solution(s) belongs to.

$$\sqrt{-10x^2 - 54} - \sqrt{-48x} = 0$$

- A. $x_1 \in [-2.9, -0.5]$ and $x_2 \in [-5, 0]$
 - B. $x \in [2.8, 5.1]$
 - C. All solutions lead to invalid or complex values in the equation.
 - D. $x_1 \in [1.3, 2.9]$ and $x_2 \in [0, 4]$
 - E. $x \in [1.3, 2.9]$
-