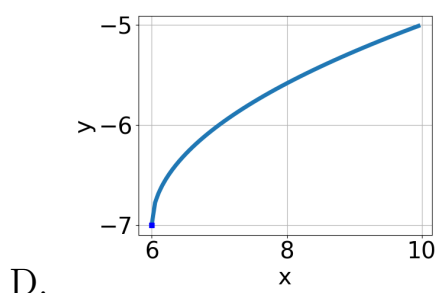
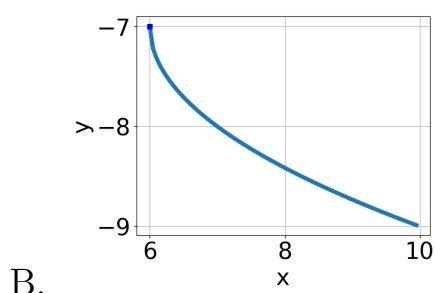
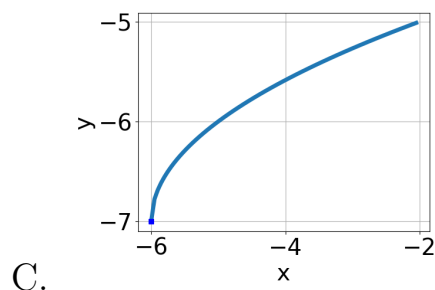
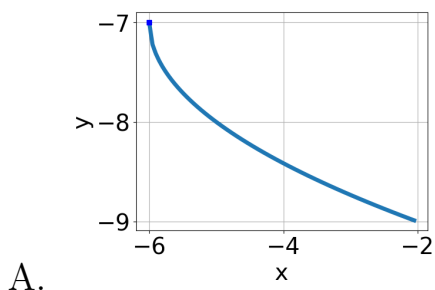


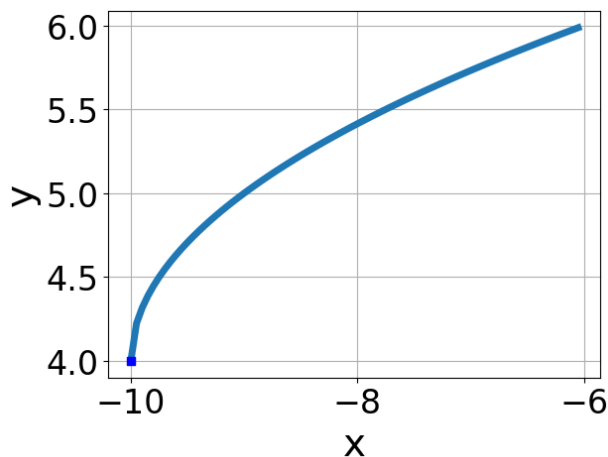
1. Choose the graph of the equation below.

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



E. None of the above.

2. Choose the equation of the function graphed below.



A. $f(x) = -\sqrt[3]{x + 10} + 4$

B. $f(x) = \sqrt[3]{x - 10} + 4$

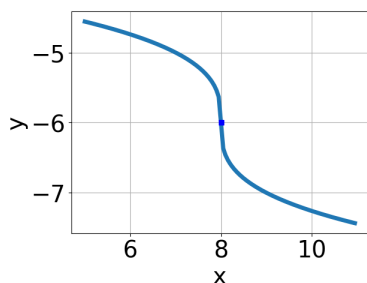
C. $f(x) = \sqrt[3]{x + 10} + 4$

D. $f(x) = -\sqrt[3]{x-10} + 4$

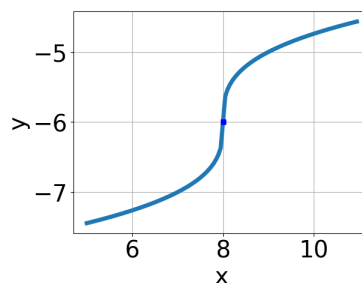
E. None of the above

3. Choose the graph of the equation below.

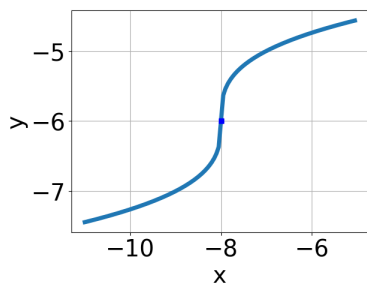
$$f(x) = -\sqrt[3]{x+8} - 6$$



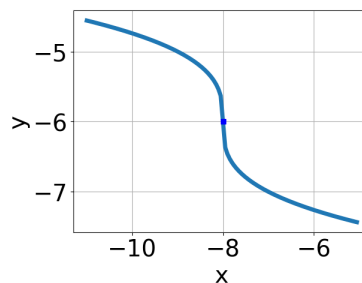
A.



C.



B.



D.

E. None of the above.

4. What is the domain of the function below?

$$f(x) = \sqrt[5]{-6x-8}$$

A. The domain is $(-\infty, a]$, where $a \in [-0.82, 0.37]$

B. The domain is $(-\infty, a]$, where $a \in [-1.66, -0.89]$

C. The domain is $[a, \infty)$, where $a \in [-1.01, -0.49]$

D. The domain is $[a, \infty)$, where $a \in [-2.22, -0.94]$

E. $(-\infty, \infty)$

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

$$\sqrt{-24x^2 - 36} - \sqrt{70x} = 0$$

- A. $x \in [-2.9, -1.8]$
 - B. $x_1 \in [-2.9, -1.8]$ and $x_2 \in [-1.8, -0.5]$
 - C. $x \in [-2, 0.9]$
 - D. All solutions lead to invalid or complex values in the equation.
 - E. $x_1 \in [0.8, 2.3]$ and $x_2 \in [-0.2, 1.5]$
-

6. What is the domain of the function below?

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

- A. $[a, \infty)$, where $a \in [-2.13, -0.77]$
 - B. $[a, \infty)$, where $a \in [-0.89, 1.03]$
 - C. $(-\infty, \infty)$
 - D. $(-\infty, a]$, where $a \in [-3.3, -0.8]$
 - E. $(-\infty, a]$, where $a \in [-1.3, -0.4]$
-

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

$$\sqrt{10x^2 + 24} - \sqrt{32x} = 0$$

- A. $x_1 \in [-2.26, -1.71]$ and $x_2 \in [-2.2, -0.2]$
- B. $x_1 \in [0.88, 1.29]$ and $x_2 \in [1, 4]$
- C. All solutions lead to invalid or complex values in the equation.
- D. $x \in [1.39, 2.44]$
- E. $x \in [0.88, 1.29]$

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

$$\sqrt{8x + 6} - \sqrt{-9x - 9} = 0$$

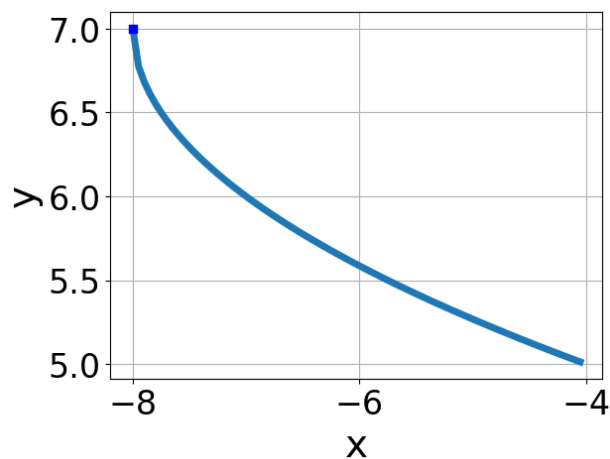
- A. $x_1 \in [-0.98, -0.77]$ and $x_2 \in [-1.75, 4.25]$
 - B. $x \in [0.13, 0.26]$
 - C. $x_1 \in [-1.01, -0.96]$ and $x_2 \in [-1.75, 4.25]$
 - D. All solutions lead to invalid or complex values in the equation.
 - E. $x \in [-0.98, -0.77]$
-

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

$$\sqrt{7x - 7} - \sqrt{-4x + 9} = 0$$

- A. $x \in [-0.4, 0.27]$
 - B. All solutions lead to invalid or complex values in the equation.
 - C. $x \in [1.34, 1.59]$
 - D. $x_1 \in [0.71, 1.1]$ and $x_2 \in [1.52, 3.12]$
 - E. $x_1 \in [0.71, 1.1]$ and $x_2 \in [0.98, 1.5]$
-

10. Choose the equation of the function graphed below.



- A. $f(x) = \sqrt[3]{x-8} + 7$
- B. $f(x) = \sqrt[3]{x+8} + 7$
- C. $f(x) = -\sqrt[3]{x+8} + 7$
- D. $f(x) = -\sqrt[3]{x-8} + 7$
- E. None of the above