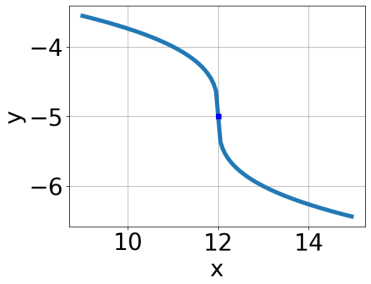
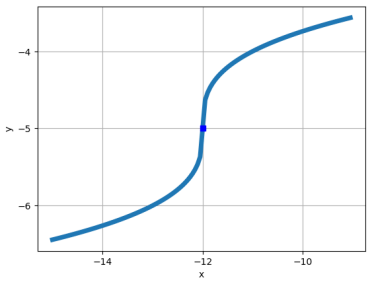
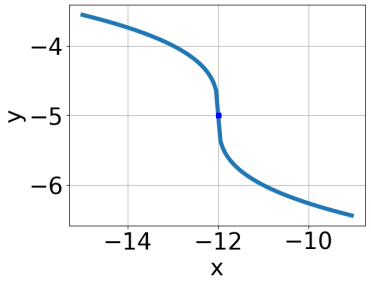
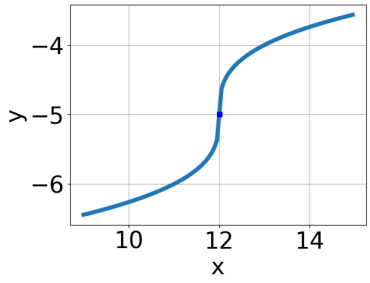
21. Choose the graph of the equation below.

$$f(x) = \sqrt[3]{x+12} - 5$$

A. 


C. 


B. 


D. 


E. None of the above.

---

22. What is the domain of the function below?

$$f(x) = \sqrt[8]{-7x-9}$$

A. $[a, \infty)$, where $a \in [-1, -0.63]$

B. $(-\infty, a]$, where $a \in [-1.48, -0.81]$

C. $(-\infty, a]$, where $a \in [-0.83, -0.43]$

D. $[a, \infty)$, where $a \in [-1.86, -1.14]$

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

---

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

$$\sqrt{-63x^2 - 27} - \sqrt{-90x} = 0$$

A. $x \in [-0.05, 0.47]$

B. $x_1 \in [-1.1, -0.33]$ and $x_2 \in [-6, 0]$

C. $x_1 \in [-0.05, 0.47]$ and $x_2 \in [0, 2]$

D. $x \in [0.67, 1.58]$

E. All solutions lead to invalid or complex values in the equation.

---

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

$$\sqrt{9x+4} - \sqrt{3x-7} = 0$$

A. $x \in [-0.04, 1.32]$

B. $x_1 \in [-2.5, -1.6]$ and $x_2 \in [-3, 2]$

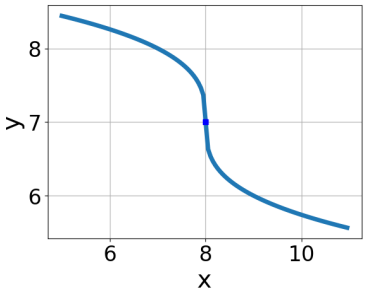
C. $x_1 \in [-0.54, -0.01]$ and $x_2 \in [1, 4]$

D. All solutions lead to invalid or complex values in the equation.

E. $x \in [-2.5, -1.6]$

---

25. Choose the equation of the function graphed below.




A. $f(x) = -\sqrt{x-8} + 7$

B. $f(x) = \sqrt{x-8} + 7$

C. $f(x) = -\sqrt{x+8} + 7$

D. $f(x) = \sqrt{x+8} + 7$

E. None of the above

---