21. What is the domain of the function below?

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

A. $(-\infty, a]$, where $a \in [-1.03, 0.6]$

B. $[a, \infty)$, where $a \in [-1.25, 0.13]$

C. $[a, \infty)$, where $a \in [-1.45, -1.32]$

D. $(-\infty, a]$, where $a \in [-1.48, -1.09]$

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

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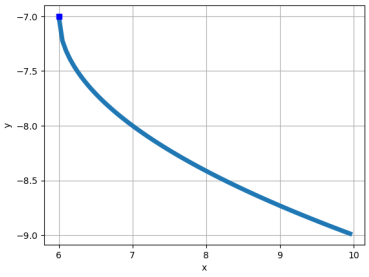
22. Choose the equation of the function graphed below.



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

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

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

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

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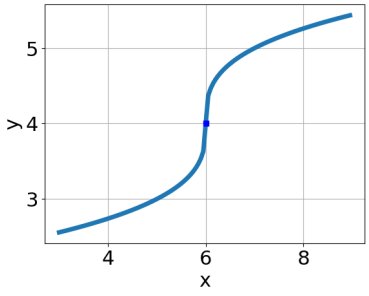
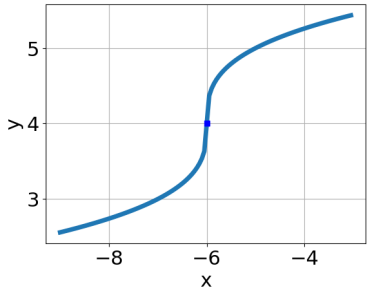
23. Choose the graph of the equation below.

$$f(x) = \sqrt[3]{x - 6} + 4$$

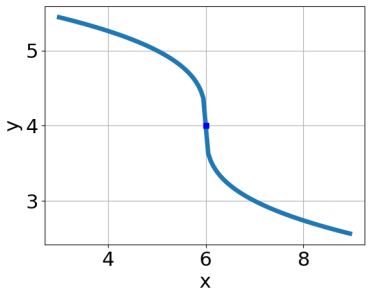
A.



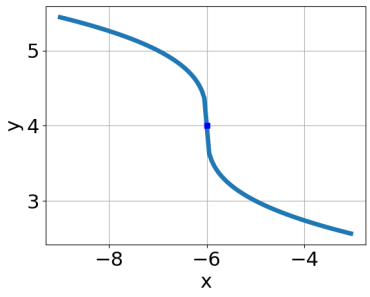
C.



B.



D.



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

$$\sqrt{-2x-4}-\sqrt{-7x+2}=0$$

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

B. $x \in [-0.7, 2.6]$

C. $x_1 \in [-0.7, 2.6]$ and $x_2 \in [-8, 0]$

D. $x_1 \in [-0.7, 2.6]$ and $x_2 \in [-1, 1]$

E. $x \in [-1.5, 0.9]$

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

$$\sqrt{12x^2-16}-\sqrt{-4x}=0$$

A. $x \in [0.91, 1.08]$

B. $x_1 \in [1.17, 1.38]$ and $x_2 \in [-0.1, 3.5]$

C. $x \in [-1.49, -0.95]$

D. $x_1 \in [1.17, 1.38]$ and $x_2 \in [-1.6, -0.9]$

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