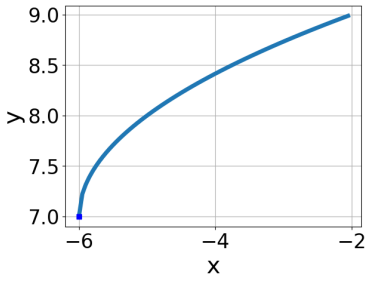
21. Choose the equation of the function graphed below.



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

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

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

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

E. None of the above

---

22. What is the domain of the function below?

$$f(x) = \sqrt[4]{-5x+6}$$

A. $(-\infty, a]$, where $a \in [1.16, 1.53]$

B. $(-\infty, a]$, where $a \in [0.62, 0.86]$

C. $[a, \infty)$, where $a \in [1.1, 1.23]$

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

E. $[a, \infty)$, where $a \in [0.83, 0.95]$

---

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

$$\sqrt{6x-7} - \sqrt{-9x+8} = 0$$

A. $x_1 \in [0.8, 0.91]$ and $x_2 \in [-1, 4]$

B. $x \in [-0.14, 0.04]$

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

D. $x_1 \in [0.9, 1.07]$ and $x_2 \in [-1, 4]$

E. $x \in [0.9, 1.07]$

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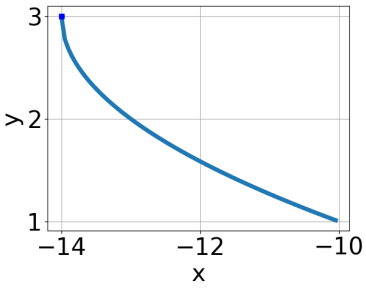
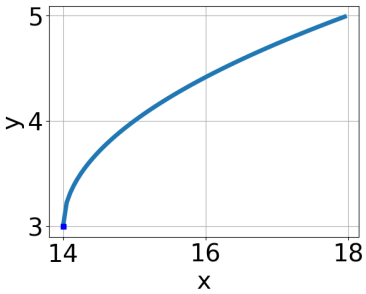
24. Choose the graph of the equation below.

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

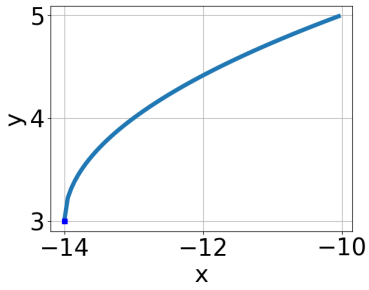
A.



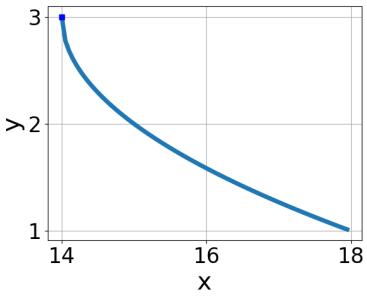
B.



C.



D.



E. None of the above.

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

$$\sqrt{28x^2 - 18} - \sqrt{30x} = 0$$

A. $x \in [-0.78, -0.19]$

B. $x \in [0.85, 1.89]$

C. $x_1 \in [-0.78, -0.19]$ and $x_2 \in [-2, 4]$

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

E. $x_1 \in [0.19, 0.75]$ and $x_2 \in [-2, 4]$
