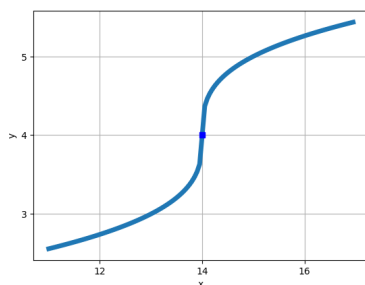21. What is the domain of the function below?

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

    A. $[a, \infty)$, where $a \in [-0.91, -0.18]$

    B. $[a, \infty)$, where $a \in [-1.32, -0.97]$

    C. $(-\infty, a]$, where $a \in [-0.86, -0.45]$

    D. $(-\infty, \infty)$
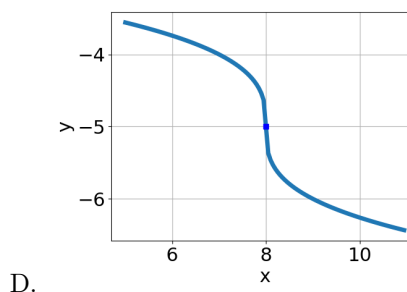
    E. $(-\infty, a]$, where $a \in [-1.43, -0.9]$
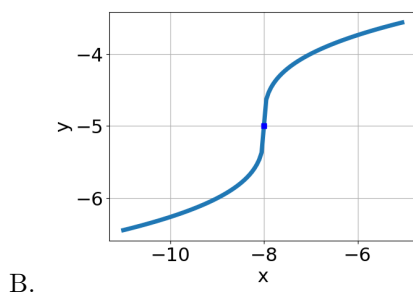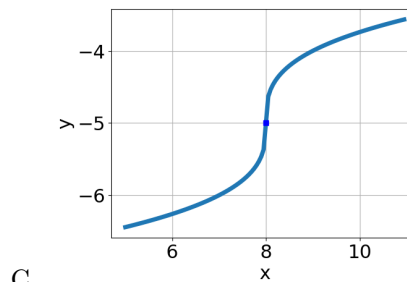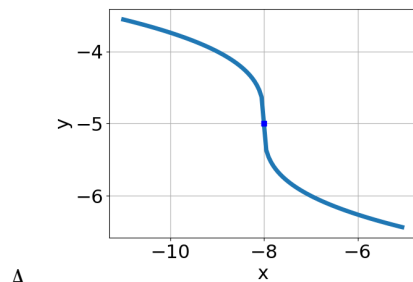
22. Choose the equation of the function graphed below.

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

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

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

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

23. Choose the graph of the equation below.

$$f(x) = -\sqrt[3]{x - 8} - 5$$

A.

C.

B.

D.

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

$$\sqrt{3x - 5} - \sqrt{-4x - 7} = 0$$

A. $x_1 \in [-0.33, 0.27]$ and $x_2 \in [-7, 0]$

B. $x_1 \in [-0.33, 0.27]$ and $x_2 \in [-2, 3]$

C. $x \in [0.13, 0.57]$

D. $x \in [-0.33, 0.27]$

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

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

$$\sqrt{-10x^2 - 32} - \sqrt{48x} = 0$$

A. $x \in [-6.5, -2.3]$

B. $x_1 \in [2.7, 4.8]$ and $x_2 \in [0, 3]$

C. $x_1 \in [-6.5, -2.3]$ and $x_2 \in [-4, 0]$

D. $x \in [-2.2, 1.2]$

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