1. What is the domain of the function below?

$$f(x) = \sqrt[5]{4x + 8}$$
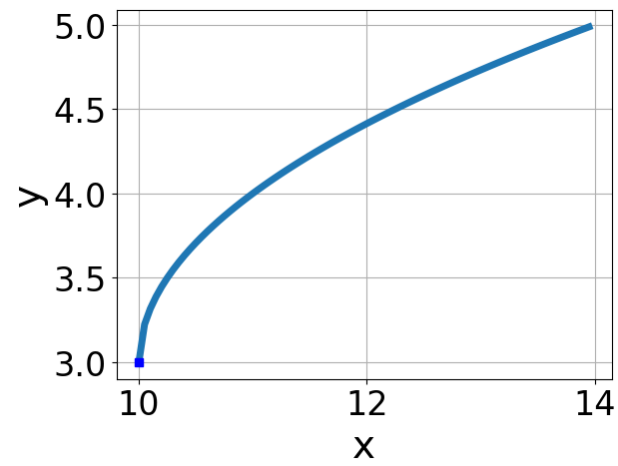
2. Solve the radical equation below.

$$\sqrt{16x^2 + 25} - \sqrt{-50x} = 0$$

3. Solve the radical equation below.

$$\sqrt{-2x-7} - \sqrt{6x-6} = 0$$

4. Write the equation of the function graphed below.

5. Sketch a graph of the equation below.

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

6. What is the domain of the function below?

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

7. Sketch a graph of the equation below.

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

8. Solve the radical equation below.

$$\sqrt{4x + 2} - \sqrt{-9x - 3} = 0$$

9. Solve the radical equation below.

$$\sqrt{35x^2 + 8} - \sqrt{38x} = 0$$

10. Write the equation of the function graphed below.