1. What is the domain of the function below?

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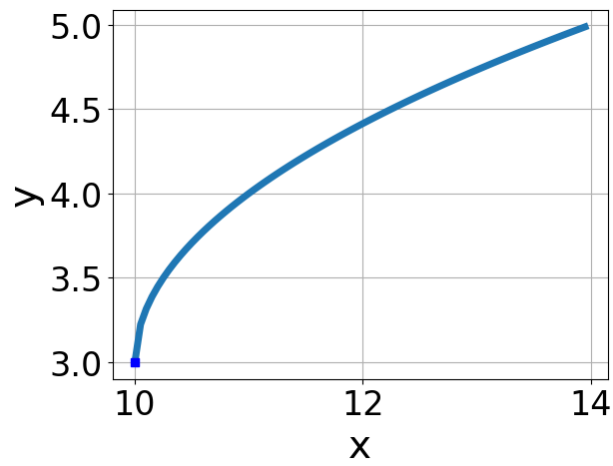
2. Solve the radical equation below.

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

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.

$$f(x) = \sqrt{x - 6} + 3$$
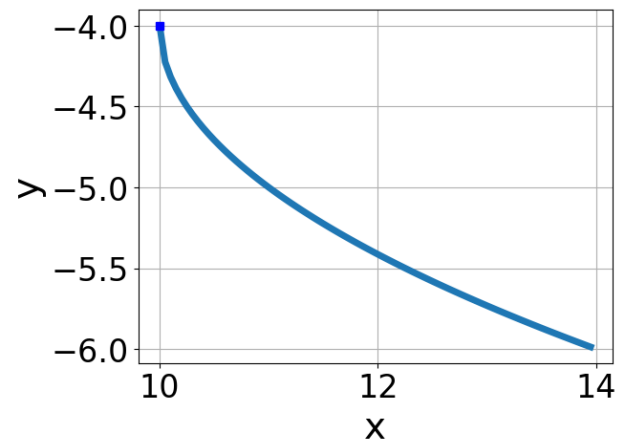
8. Solve the radical equation below.

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

9. Solve the radical equation below.

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

10. Write the equation of the function graphed below.

11. What is the domain of the function below?
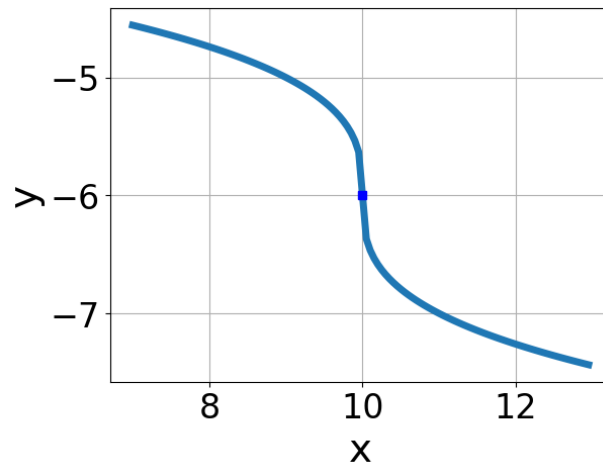
$$f(x) = \sqrt[3]{-9x - 3}$$

12. Solve the radical equation below.

$$\sqrt{72x^2 + 45} - \sqrt{121x} = 0$$

13. Solve the radical equation below.

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

14. Write the equation of the function graphed below.

15. Sketch a graph of the equation below.

$$f(x) = \sqrt[3]{x + 12} - 6$$

16. What is the domain of the function below?

$$f(x) = \sqrt[3]{5x + 9}$$

17. Sketch a graph of the equation below.
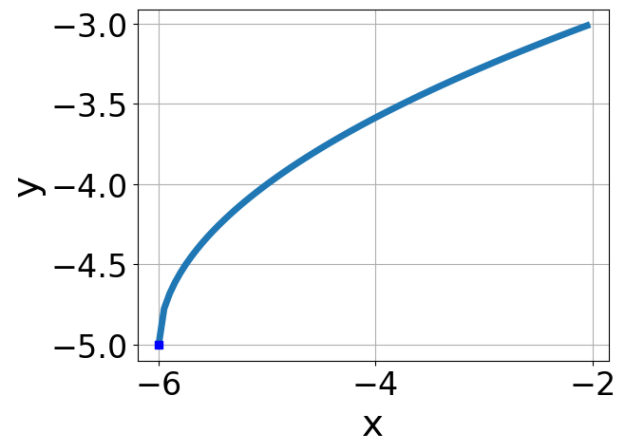
$$f(x) = \sqrt[3]{x - 8} - 4$$

18. Solve the radical equation below.

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

19. Solve the radical equation below.

$$\sqrt{24x^2 - 10} - \sqrt{1x} = 0$$

20. Write the equation of the function graphed below.

21. What is the domain of the function below?
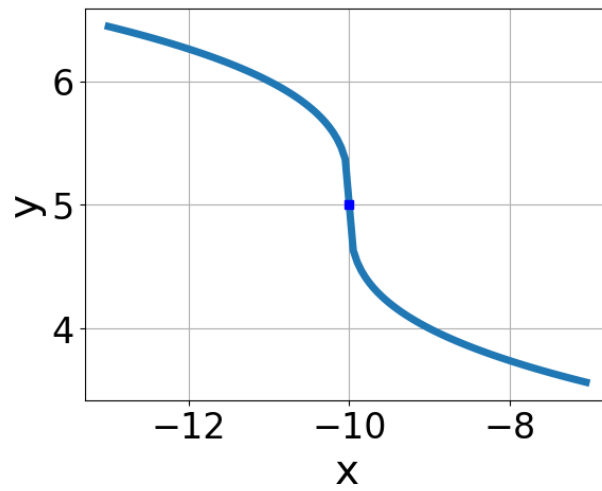
$$f(x) = \sqrt[6]{6x - 4}$$

22. Solve the radical equation below.

$$\sqrt{49x^2 + 30} - \sqrt{-77x} = 0$$

23. Solve the radical equation below.

$$\sqrt{-5x+6} - \sqrt{-9x+7} = 0$$

24. Write the equation of the function graphed below.

25. Sketch a graph of the equation below.

$$f(x) = -\sqrt[3]{x - 10} + 4$$

26. What is the domain of the function below?

$$f(x) = \sqrt[8]{-4x + 6}$$

27. Sketch a graph of the equation below.

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

28. Solve the radical equation below.

$$\sqrt{6x - 8} - \sqrt{-8x + 2} = 0$$

29. Solve the radical equation below.

$$\sqrt{36x^2 - 15} - \sqrt{-12x} = 0$$

30. Write the equation of the function graphed below.