1. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 2 from the right.

$$\frac{\frac{2}{x} - 1}{x - 2}$$

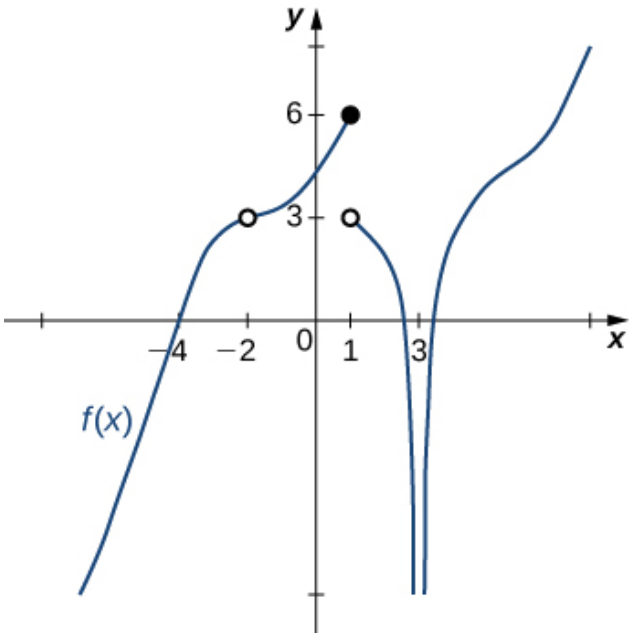
2. Evaluate the limit below, if possible.

$$\lim_{x \to 7} \frac{\sqrt{9x - 27} - 6}{6x - 42}$$

3. Based on the information below, what can be said about (a.) $f(0)$ and (b.) $f(x)$ when x is close to 0?

$$As\ x\ approaches\ 0,\ f(x)\ approaches\ 12.547.$$

4. For the graph below, find the value(s) a that makes the statement true: $\lim_{x \to a} f(x) = 0$.



5. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 6 from the right.

$$\frac{\frac{6}{x} - 1}{x - 6}$$

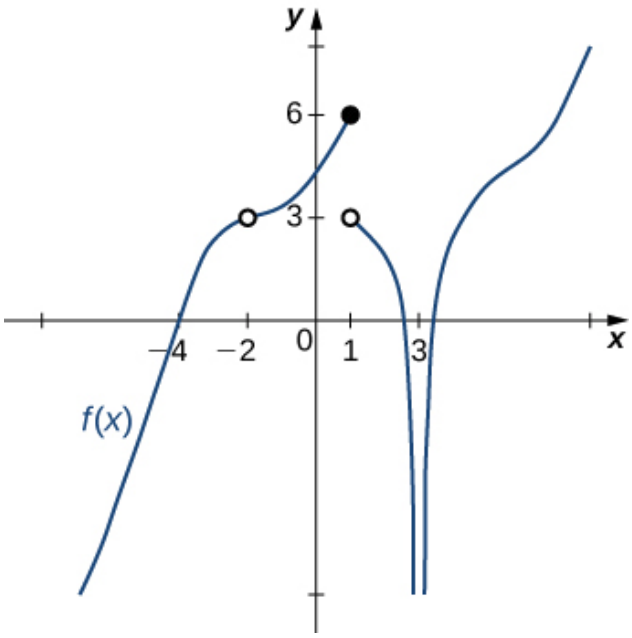
6. Based on the information below, what can be said about (a.) $f(2)$ and (b.) $f(x)$ when x is close to 2?

$$f(x) \text{ approaches } 10.975 \text{ as } x \text{ approaches } 2.$$

7. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to 1^-} \frac{1}{(x-1)^8} + 6$$

8. For the graph below, find the value(s) a that makes the statement true: $\lim_{x \to a} f(x) = 0$.



9. Evaluate the limit below, if possible.

$$\lim_{x \to 7} \frac{\sqrt{4x - 12} - 4}{6x - 42}$$

10. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to -6^+} \frac{3}{(x+6)^7} + 1$$

11. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 7 from the right.

$$\frac{\frac{7}{x} - 1}{x - 7}$$

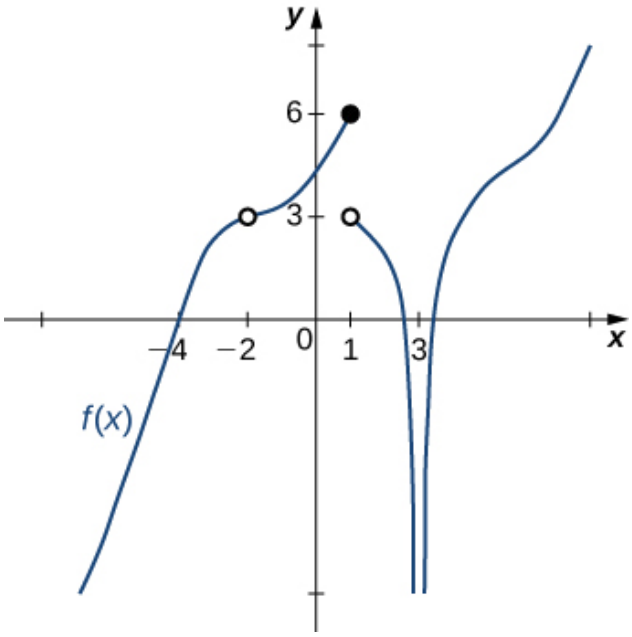
12. Evaluate the limit below, if possible.

$$\lim_{x \to 6} \frac{\sqrt{4x-8}-4}{7x-42}$$

13. Based on the information below, what can be said about (a.) $f(7)$ and (b.) $f(x)$ when x is close to 7?

$$f(x) \text{ approaches } 10.049 \text{ as } x \text{ approaches } 7.$$

14. For the graph below, evaluate the limit: $\lim_{x \to -4} f(x)$.



15. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 8 from the left.

$$\frac{\frac{8}{x} - 1}{x - 8}$$

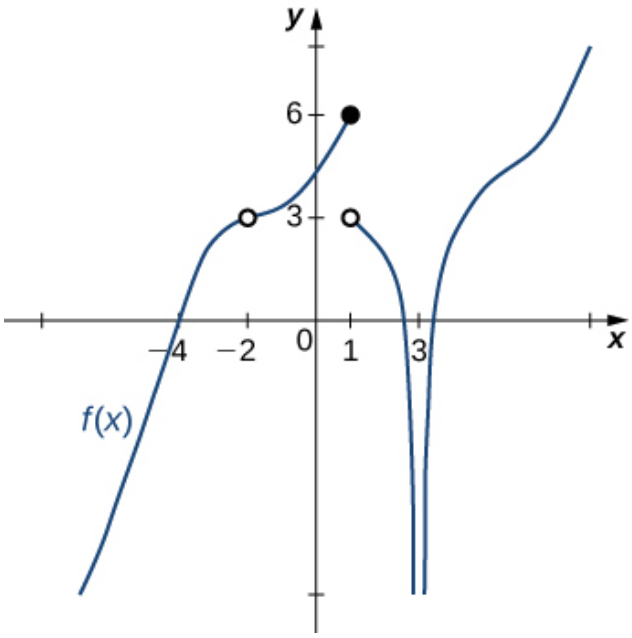
16. Based on the information below, what can be said about (a.) $f(1)$ and (b.) $f(x)$ when x is close to 1?

$$As\ x\ approaches\ 1,\ f(x)\ approaches\ \infty.$$

17. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to 1^-} \frac{5}{(x+1)^4} + 1$$

18. For the graph below, find the value(s) a that makes the statement true: $\lim_{x \to a} f(x) = 0$.



19. Evaluate the limit below, if possible.

$$\lim_{x \to 5} \frac{\sqrt{4x-4}-4}{2x-10}$$

20. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to -7^-} \frac{5}{(x+7)^9} + 5$$

21. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 4 from the right.

$$\frac{\frac{4}{x} - 1}{x - 4}$$

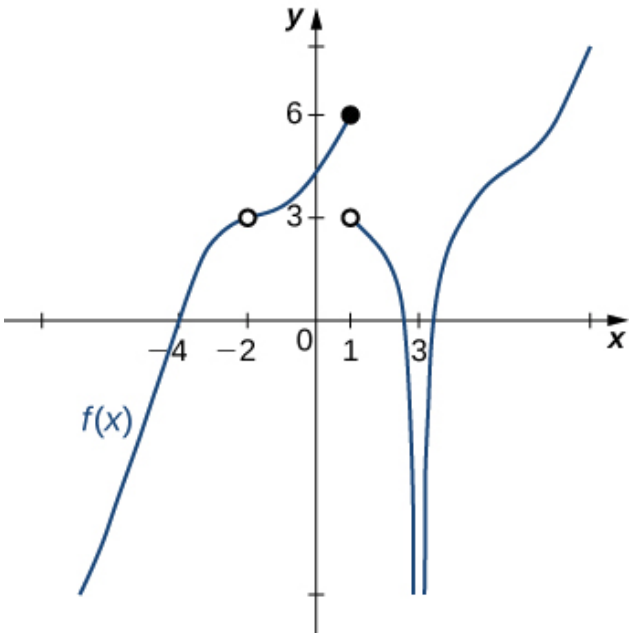
22. Evaluate the limit below, if possible.

$$\lim_{x \to 8} \frac{\sqrt{7x - 40} - 4}{3x - 24}$$

23. Based on the information below, what can be said about (a.) $f(8)$ and (b.) $f(x)$ when x is close to 8?

$$As\ x\ approaches\ 8,\ f(x)\ approaches\ 13.449.$$

24. For the graph below, find the value(s) a that makes the statement true: $\lim_{x \to a} f(x) = -\infty$.



25. List 10 numbers you should use to estimate the one-sided limit of the function below as x approaches 10 from the right.

$$\frac{\frac{10}{x} - 1}{x - 10}$$

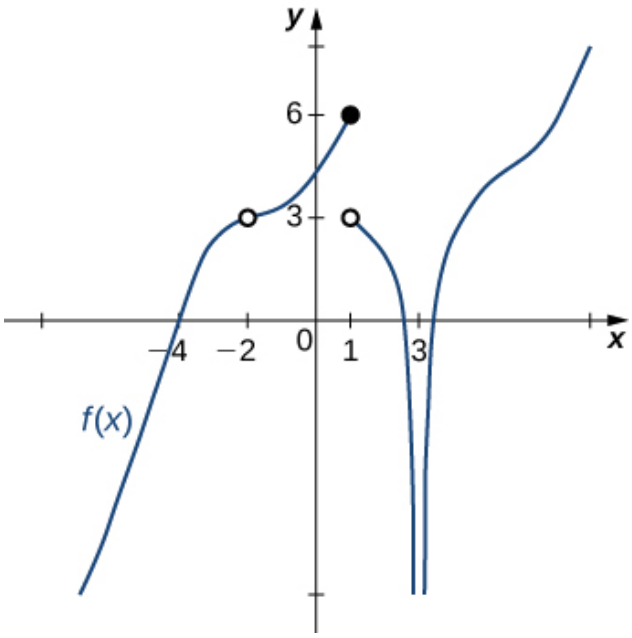
26. Based on the information below, what can be said about (a.) $f(3)$ and (b.) $f(x)$ when x is close to 3?

$$f(x) \text{ approaches } \infty \text{ as } x \text{ approaches } 3.$$

27. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to -4^-} \frac{4}{(x+4)^7} + 4$$

28. For the graph below, find the value(s) a that makes the statement true: $\lim_{x \to a} f(x) = 0$.



29. Evaluate the limit below, if possible.

$$\lim_{x \to 4} \frac{\sqrt{8x - 16} - 4}{7x - 28}$$

30. Evaluate the one-sided limit of the function $f(x)$ below, if possible.

$$\lim_{x \to -4^-} \frac{7}{(x+4)^8} + 1$$