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

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

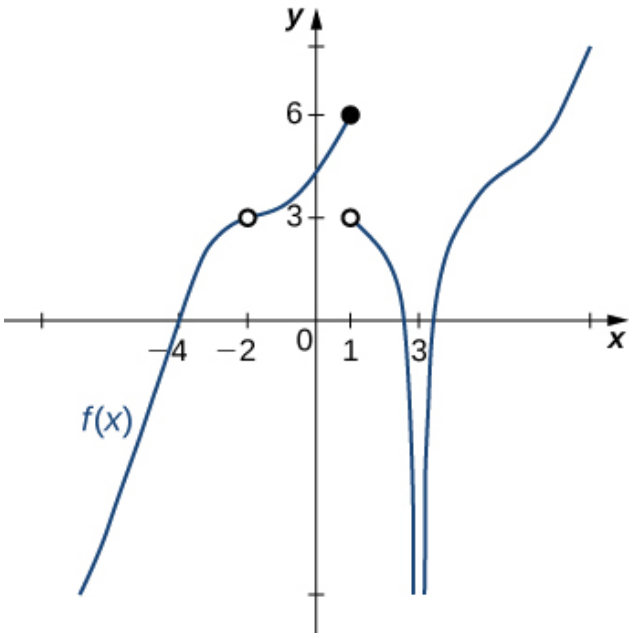
2. Evaluate the limit below, if possible.

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

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.

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

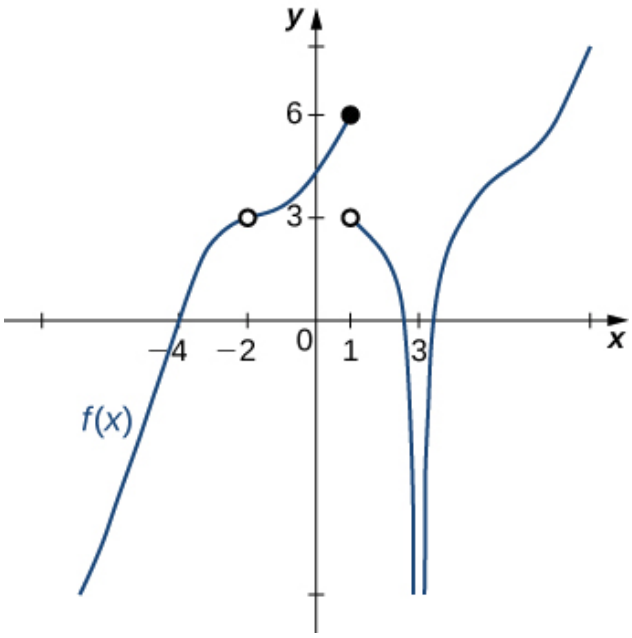
6. Based on the information below, what can be said about (a.) $f(2)$ and (b.) $f(x)$ when x is close to 2?

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

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.

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