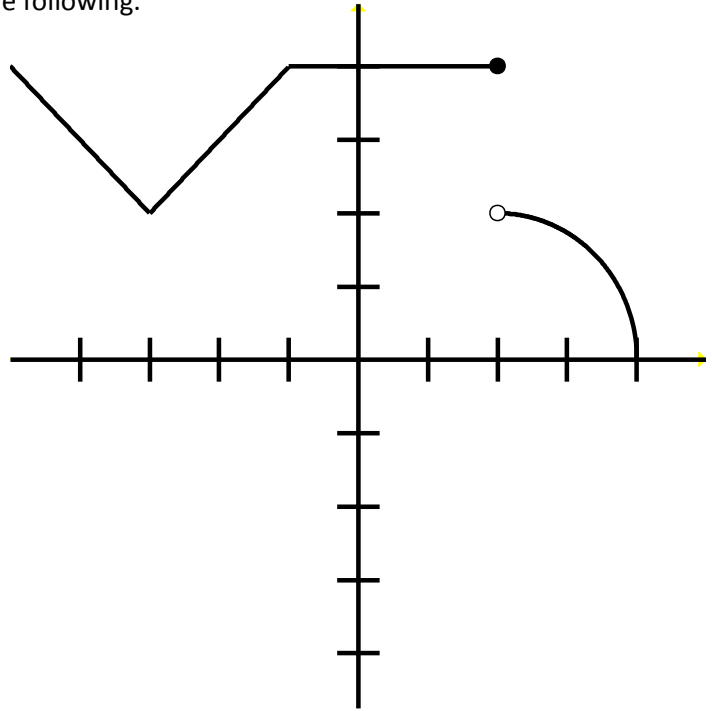


1) Using the graph of  $y = f(x)$  to the right, find each of the following.

$$\lim_{x \rightarrow 2^-} f(x) =$$

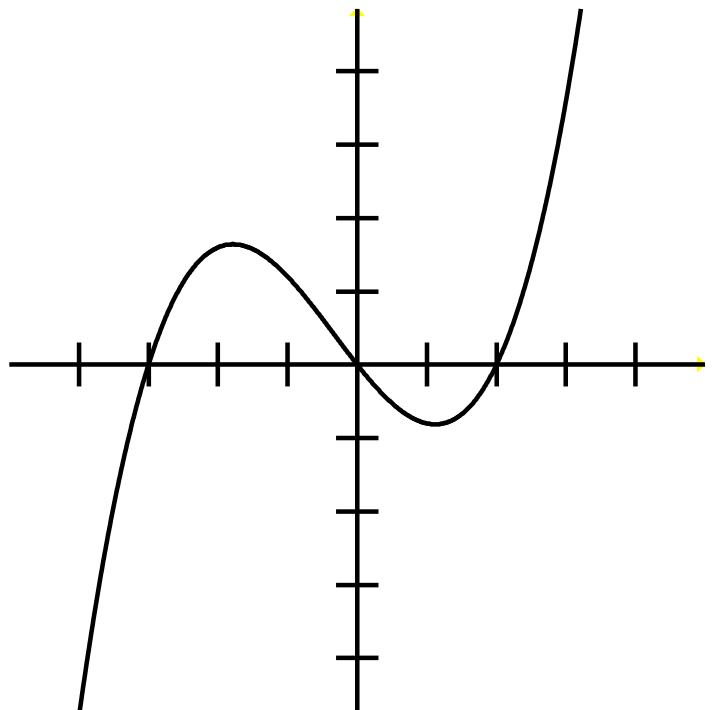
$$\lim_{x \rightarrow 1} f(x) =$$

$$\lim_{x \rightarrow 2} f(x) =$$



2) Find  $\lim_{x \rightarrow 3} \frac{x^2 - x + 2}{x - 1}$

3) Use the graph to the right to estimate the average rate of change between  $x = -1$  and  $x = 3$ .



4) Use the graph to the right to estimate the instantaneous rate of change at  $x = 0$ .