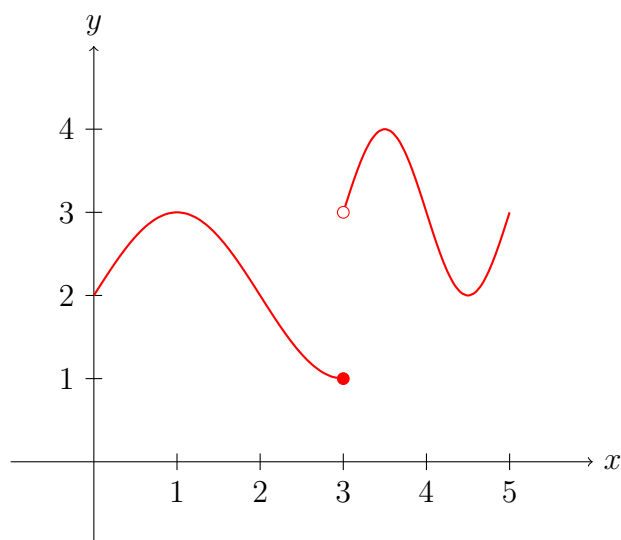


IC 28: Limits

1. The graph of a function f is shown below.



Answer the following:

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

(b) $\lim_{x \rightarrow 3^-} f(x) =$ _____

(c) $\lim_{x \rightarrow 3^+} f(x) =$ _____

(d) $\lim_{x \rightarrow 3} f(x) =$ _____

(e) $f(3) =$ _____

2. Evaluate $\lim_{x \rightarrow 2} \frac{x^2 + x - 6}{x - 2}$.

3. Evaluate $\lim_{h \rightarrow 0} \frac{\sqrt{4+h} - 2}{h}$.