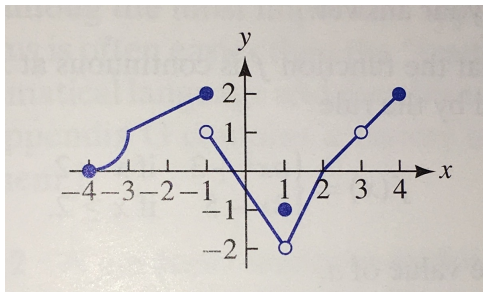


1. Use the graph of $y = f(x)$ to find the following:



(a) $\lim_{x \rightarrow 3} f(x)$

(e) $\lim_{x \rightarrow -1} f(x)$

(b) $f(1)$

(f) $\lim_{x \rightarrow -1^+} f(x)$

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

(g) $\lim_{x \rightarrow -1^-} f(x)$

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

(h) $f(-1)$

2. Find the following limits by either graphing or substituting nearby values

(a) $\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1}$

(c) $\lim_{h \rightarrow 0} \frac{\sin(h)}{h}$ where h is measured in radians

(b) $\lim_{h \rightarrow 0} \frac{(1 + h)^2 - 1}{h}$

(d) $\lim_{h \rightarrow 0} \frac{\sin(h)}{h}$ where h is measured in degrees