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
