

Worksheet 55.5 - Limits

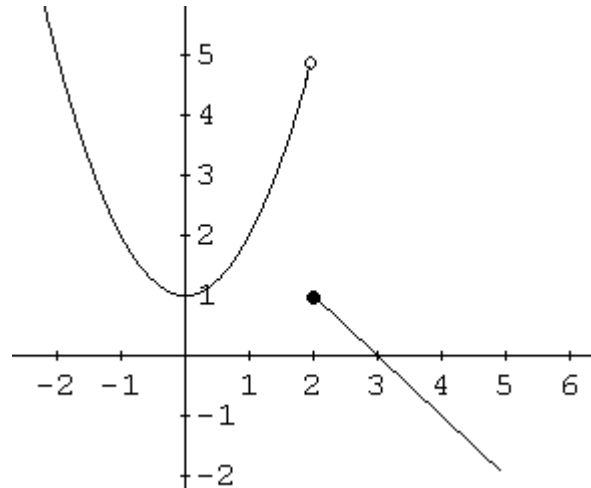
1. Evaluate the following limits using the graph of $f(x)$ or state that the limit does not exist.

(a) $\lim_{x \rightarrow -\infty} f(x) =$

(b) $\lim_{x \rightarrow \infty} f(x) =$

(c) $\lim_{x \rightarrow 0} f(x) =$

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



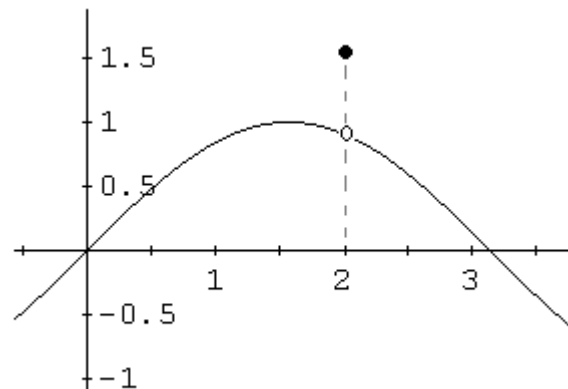
2. Evaluate the following limits using the graph of $g(x)$ or state that the limit does not exist.

(a) $\lim_{x \rightarrow -\infty} g(x) =$

(b) $\lim_{x \rightarrow \infty} g(x) =$

(c) $\lim_{x \rightarrow 0} g(x) =$

(d) $\lim_{x \rightarrow 2} g(x) =$



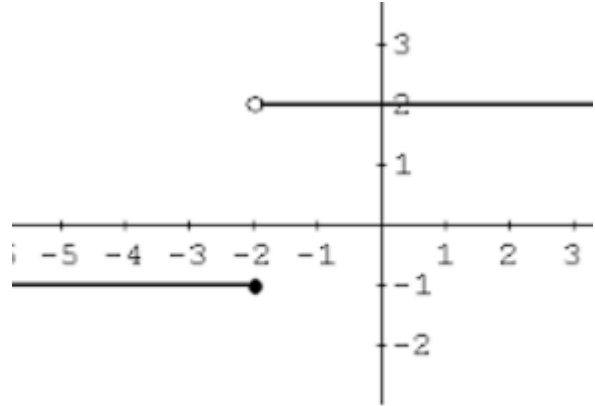
3. Evaluate the following limits using the graph of $h(x)$ or state that the limit does not exist.

(a) $\lim_{x \rightarrow -\infty} h(x) =$

(b) $\lim_{x \rightarrow \infty} h(x) =$

(c) $\lim_{x \rightarrow 0} h(x) =$

(d) $\lim_{x \rightarrow -2} h(x) =$



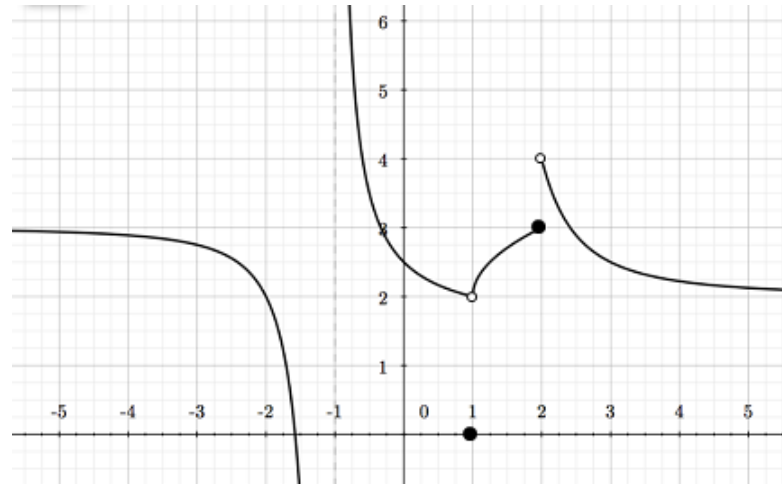
4. Evaluate the following limits using the graph of $m(x)$ or state that the limit does not exist.

(a) $\lim_{x \rightarrow -\infty} m(x) =$

(b) $\lim_{x \rightarrow \infty} m(x) =$

(c) $\lim_{x \rightarrow -1} m(x) =$

(d) $\lim_{x \rightarrow 1} m(x) =$



5. Evaluate the following limits using the graph of $k(x)$ or state that the limit does not exist.

(a) $\lim_{x \rightarrow -4} k(x) =$

(b) $\lim_{x \rightarrow -3} k(x) =$

(c) $\lim_{x \rightarrow -2} k(x) =$

(d) $\lim_{x \rightarrow -1} k(x) =$

(e) $\lim_{x \rightarrow 1} k(x) =$

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

(g) $\lim_{x \rightarrow 4} k(x) =$

(h) $k(-3) =$

(i) $k(-1) =$

(j) $k(1) =$

