

1. $\lim_{x \rightarrow 9} \frac{\sqrt{x} - 3}{x - 9} =$

2. Answer the following questions about the function $y = f(x)$ graphed below.

(a) $f(1) =$

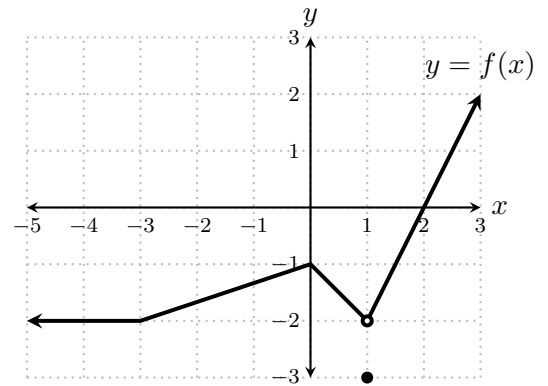
(b) $\lim_{x \rightarrow 1} f(x) =$

(c) $\lim_{x \rightarrow 1} f(2x) =$

(d) $f \circ f(2) =$

(e) $\lim_{x \rightarrow -3} f(x) =$

(f) $\lim_{x \rightarrow -3} \frac{f(x)}{x^2} =$



1. $\lim_{x \rightarrow 1} \frac{\frac{1}{x} - 1}{x - 1} =$

2. Answer the following questions about the function $y = f(x)$ graphed below.

(a) $f(1) =$

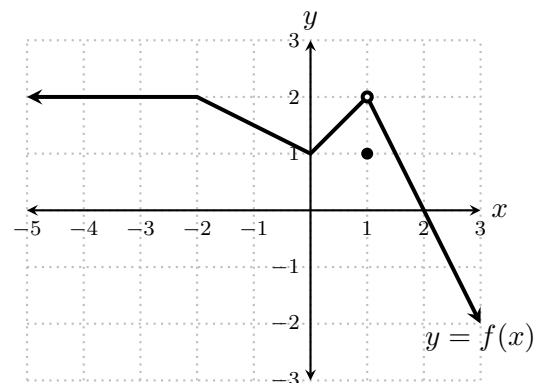
(b) $\lim_{x \rightarrow 1} f(x) =$

(c) $\lim_{x \rightarrow 1} f(-3x) =$

(d) $f \circ f(2) =$

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

(f) $\lim_{x \rightarrow 0} \frac{5f(x)}{x + 3} =$



1. $\lim_{x \rightarrow 4} \frac{x - 4}{x^2 - 16} =$

2. Answer the following questions about the function $y = f(x)$ graphed below.

(a) $f(-1) =$

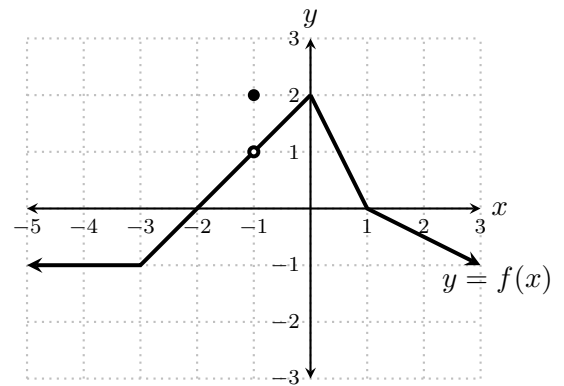
(b) $\lim_{x \rightarrow -1} f(x) =$

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

(d) $\lim_{x \rightarrow 1} f(-2x) =$

(e) $f \circ f(1) =$

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



1. $\lim_{x \rightarrow 3} \frac{x^2 + 7x - 30}{x - 3} =$

2. Answer the following questions about the function $y = f(x)$ graphed below.

(a) $f(-1) =$

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

(c) $\lim_{x \rightarrow -3} f(x) =$

(d) $\lim_{x \rightarrow 1} f(2x) =$

(e) $f \circ f(3) =$

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

