

Name: _____

1. $\lim_{x \rightarrow 0} \frac{\sqrt{1+x} - 1}{x} =$

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

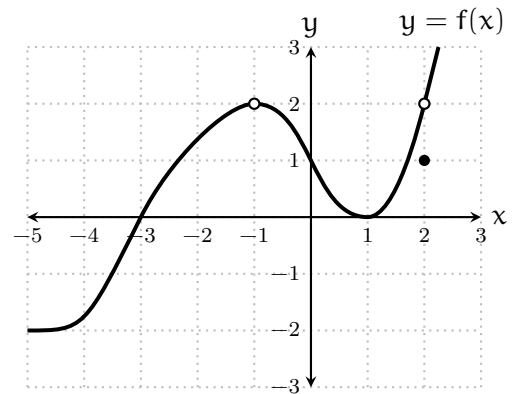
(a) $f(2) =$

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

(c) $f(-3) =$

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

(e) $\lim_{x \rightarrow -1} \frac{f(x) + 1}{2f(x)} =$



Name: _____

1. $\lim_{x \rightarrow 0} \frac{\frac{1}{2+x} - \frac{1}{2}}{x} =$

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

(a) $f(-3) =$

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

(c) $f(-1) =$

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

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

