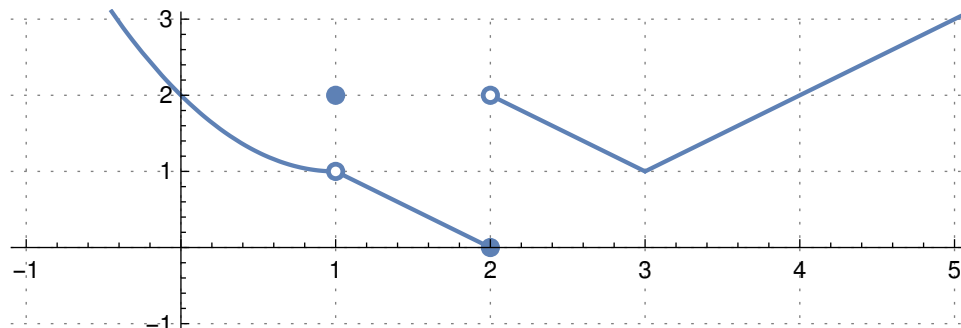


Quiz #2

Please print your name: _____

Problem 1. (5 points) Let $f(x)$ be the function graphed below. Determine the limits or state that they don't exist.



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

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

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

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

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

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

Problem 2. (5 points) Determine $\lim_{x \rightarrow 4} \frac{\sqrt{x+5} - 3}{x-4}$.