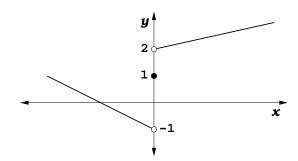Math 181 Quiz 3 Version A

1. Define $\lim\limits_{x \to a} f(x) = L$ using inequalities in terms of ϵ and δ.

2. Fill in the blanks

$\lim\limits_{x \to 0^-} f(x) =$ [   ] $\lim\limits_{x \to 0^+} f(x) =$ [   ] $\lim\limits_{x \to 0} f(x) =$ [   ]

for the function $y = f(x)$ whose graph is given by

3. Find the limit $\lim\limits_{x \to 2} \dfrac{x^2 - x - 2}{x - 2}$.