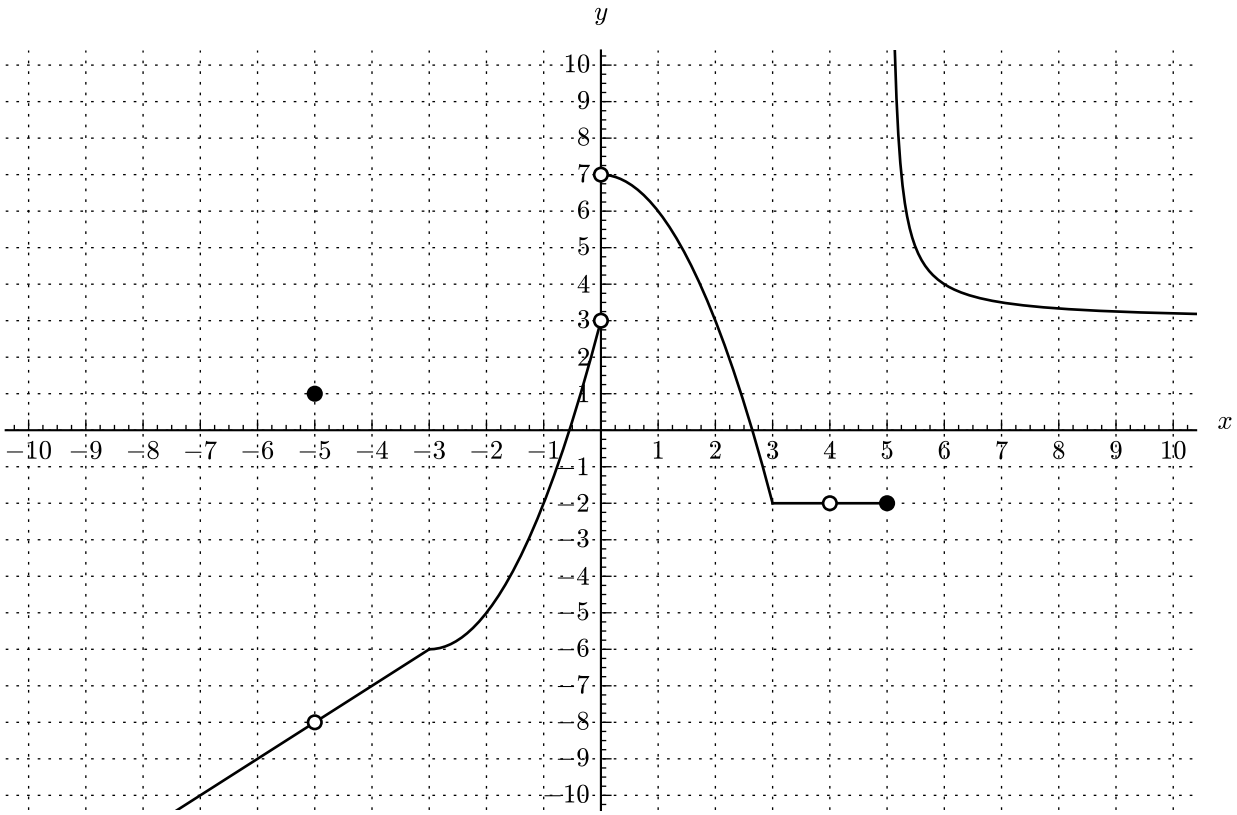
Quiz 1 Name: _____ 20 points

Math 1730 Class time: _____ Score:

Section: _____

1. (1 point each) Use the following graph of the function $f(x)$ below to answer the following.



(a) $\lim_{x\to -5^+} f(x) =$_____ (b) $\lim_{x\to -5^-} f(x) =$_____ (c) $\lim_{x\to -5} f(x) =$_____ (d) $f(-5) =$_____

(e) $\lim_{x\to 0^+} f(x) =$_____ (f) $\lim_{x\to 0^-} f(x) =$_____ (g) $\lim_{x\to 0} f(x) =$_____ (h) $f(0) =$_____

(i) $\lim_{x\to 5^+} f(x) =$_____ (j) $\lim_{x\to 5^-} f(x) =$_____ (k) $\lim_{x\to 5} f(x) =$_____ (l) $f(5) =$_____

(m) $\lim_{x\to \infty} f(x) =$_____ (n) $\lim_{x\to 4} f(x) =$_____ (o) $\lim_{x\to 2} f(x) =$_____ (p) $f(2) =$_____

2. (2 points each) Compute the following limits exactly.

(a) $\lim_{x\to 0} \dfrac{x^2-4x-5}{x^2-7x+10}$ (b) $\lim_{x\to 5} \dfrac{x^2-4x-5}{x^2-7x+10}$