Math 212: Quiz 1

Name:_____

1) Make a table of values to guess the value of the limit. Your table must have at least four values of x.

$$\lim_{x\to 0}\frac{\sin(2x)}{x}$$

2) The graph of a function f is given below. Find the following limits. Write DNE if it does not exist.

a) $\lim_{x\to -5} f(x)$

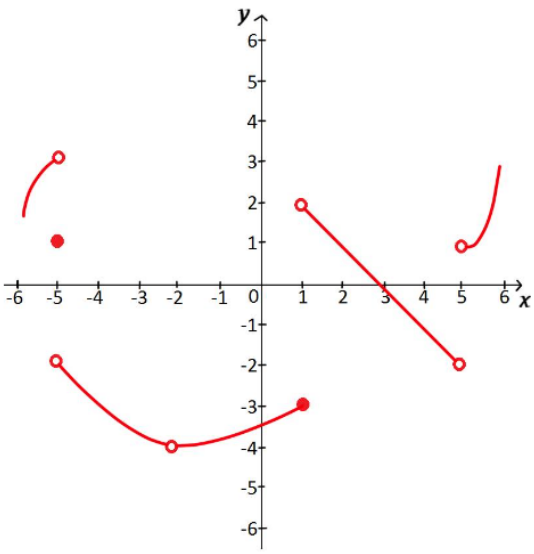
b) $\lim_{x\to 1^-} f(x)$

c) $\lim_{x\to 5} f(x)$

d) $\lim_{x\to 3} f(x)$

e) $\lim_{x\to -2} f(x)$

f) $\lim_{x\to -5^+} f(x)$



3) Calculate algebraically the limit $\lim_{x\to 1}\frac{x-1}{x^2-4x+3}$