

Name _____

Lab Section: _____

MATC 1200: Calculus for Business and Social Sciences

Lab 2, Week of April 6, 2009

Limits of Functions

Pre-Lab Question

1. Consider $f(x) = \frac{2x^3 + 3x^2 - 8x + 3}{x^2 + x - 6}$.

a. What is the domain of $f(x)$?

b. Evaluate $f(a)$ for each of the following values of a . Show your computation. If the value of a is not in the domain of $f(x)$ just say "not defined".

i. $f(0)$

ii. $f(1)$

iii. $f(-1)$

iv. $f(2)$

v. $f(-3)$