Math 102
Quiz
February 9, 2011

Name : _____

ID# : _____

Department : _____

Section : _____

QUESTION: Find the following limits
(a)

$$\lim_{x\to\infty}[\sqrt{x^2+4}-\sqrt{x^2+3x+5}]$$

Solution:$-3/2$
(b)

$$\lim_{x\to 1}\frac{\sin(2x^2-x-1)}{x-1}$$

Solution:3.