Quiz

Directions: Carefully read each question below and answer to the best of your ability in the space provided. You MUST show your work to receive full credit!

1. Consider the function

$$f(x) = x^2 - 4x - 7.$$

(a) (5 points) Find the instantaneous rate of change of f(x) when x = 2.

(b) (5 points) Find a positive number A which is not equal to 1, so that the rate of change of f(x) from x = 1 to x = A is equal to 3.

Name:				
Section (circle one):	021	022	023	024

Question:	1	Total
Points:	10	10
Score:		