

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) (4 points) Find the average rate of change of $f(x)$ from $x = 0$ to $x = 5$.

- (b) (6 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:		