

Quiz #6

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. (5 points) Use the limit definition of the derivative to find $f'(4)$ for the function

$$\frac{1}{x+1}.$$

2. (5 points) Let $g(x) = -3x^2 + x + 1$. Find an equation for the tangent line to g at the value $x = 2$.

Name: _____

Section (circle one): 003 004

Question:	1	2	Total
Points:	5	5	10
Score:			