

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. (5 points) Consider the function

$$g(x) = \begin{cases} x^2 & x \leq 2 \\ A - 5x & x > 2 \end{cases}$$

What value of A will make $g(x)$ continuous at $x = 2$?

2. (5 points) Consider the function

$$f(x) = |x^2 + 7x + 6|.$$

For what value(s) of x is $f(x)$ not differentiable?

Name: _____

Section (circle one): 021 022 023 024

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