

## Quiz #4

**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. (6 points) Evaluate the following limits:

(a)  $\lim_{x \rightarrow 2} \frac{x - 3}{x^2 - 7x + 12}$

(b)  $\lim_{x \rightarrow 3} \frac{x - 3}{x^2 - 7x + 12}$

2. (4 points) For what values of  $A$  is  $g$  continuous?

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

Name: \_\_\_\_\_

Section (circle one):            003            004

Question:	1	2	Total
Points:	6	4	10
Score:			