

## 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

$$f(x) = \sqrt{x - 5}.$$

- (a) (5 points) Use the limit definition of derivative to find  $f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$ .

- (b) (5 points) Find the derivative  $f'(x)$  by using the power rule.

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

Section (circle one):            021            022            023            024

Question:	1	Total
Points:	10	10
Score:		