

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

$$f(x) = x^2 - 4x + 3.$$

Find the value of x for which the tangent line to $y = f(x)$ has slope equal to 4.

2. (5 points) Find the following limit:

$$\lim_{x \rightarrow 3} \frac{x^2 - 6x + 9}{x^2 - 9}.$$

Name: _____

Section (circle one): 021 022 023 024

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