

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) Suppose $f(x) = x^4 - 12x^3 + 5$. Find the intervals on which $f(x)$ is increasing and the intervals on which $f(x)$ is decreasing.

2. (5 points) Find the intervals on which $g(x) = x^3 - 9x^2 + 6x + 5$ is concave up and the intervals on which $g(x)$ is concave down.

Name: _____

Section (circle one): 021 022 023 024

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