

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) Let $f(x) = x^3 + 6x^2 - 15x + 3$. Find the critical numbers, if any, and use them to find the maximum and minimum values of $f(x)$ on the interval $[-6, 6]$.

2. (5 points) Find the critical points of the function $g(x) = 5xe^{(x^3+5)}$.

Name: _____

Section (circle one): 021 022 023 024

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