

Math 157 - Quiz 8

October 26, 2016

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (6 points) Let $g(x) = 4x^3 + 6x^2 - 72x + 10$. Find open intervals on which g is increasing/decreasing. Also identify all relative extreme values.

2. (4 points) The graph of the **derivative** of the function f is shown below. I repeat!... The graph of $f'(x)$ is shown below. Find the critical points of f (not its derivative!), mark them on a number line, and find open intervals on which f is increasing/decreasing.

