

Math 157 - Quiz 10

November 9, 2016

Name _____

Score _____

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

1. (5 points) Consider the function $f(x) = 2x^3 - 9x^2 - 60x + 10$ restricted to the domain $[-4, 4]$. Find the absolute (global) extreme values.

2. (5 points) Find the absolute (global) minimum value of $g(x) = xe^x$. (Make sure to explain how you know you found an absolute minimum.)