

Math 181

Quiz 10

Name: _____

October 18, 2002

Show all work for credit.

Leave all answers as exact answers unless otherwise stated.

1. Find the global maximum of $f(x) = 5x(x^2 - 15) + 15$ on the interval $[-1, 1]$.

2. Find the global minimum of $f(x) = 5x^{\frac{5}{3}} + x^{\frac{5}{3}}$ on the interval $[-1, 2]$.