

Math 131

Quiz 7 – March 19, 2009

Name \_\_\_\_\_

1. Find the absolute maximum, the absolute minimum, and all critical points of  $f(x) = x^3 - 3x^2 - 9x + 1$  on the interval  $[0, 3]$ .

2. Find the absolute maximum, the absolute minimum, and all critical points of  $f(x) = |x - 1|$  on the interval  $[-1, 3]$ .