

Math 131

Quiz 8 – March 26, 2009

Name _____

1. Find all critical point, and all local maxes and mins of the function

$$f(x) = x^4 - 8x^3 + 18x^2 - 4.$$

2. Suppose $g'(x) = x + 3$. What can you say about $g(x)$? Explain why, referring specifically to a theorem, corollary, or lemma from class.