

QUIZ NUMBER FIVE FOR MTH102 SPRING007

AYMAN BADAWI

Name _____, Id. Num. _____, Score $\overline{15}$

QUESTION 1. Let $f(x) = 2x^3 - 54x + 3$.

(1) For what values of x does $f(x)$ increase?

(2) For what values of x does $f(x)$ decrease?

(3) Find Local Min. and Local Max.

(4) Sketch a rough graph of $f(x)$.