QUIZ NUMBER FIVE FOR MTH102 SPRING007

AYMAN BADAWI

Name	, Id. Num.	
QUESTION 1.	Let $f(x) = 2x^3 - 54x + 3$.	
(1) For what	values of x does $f(x)$ increase?	
(0) F		
(2) For what	values of x does $f(x)$ decrease?	
(3) Find Loca	al Min. and Local Max.	
` '		
(4) Sketch a	rough graph of $f(x)$.	

DEPARTMENT OF MATHEMATICS & STATISTICS, AMERICAN UNIVERSITY OF SHARJAH, P.O. BOX 26666, SHARJAH, UNITED ARAB EMIRATES

 $E ext{-}mail\ address:}$ abadawi@aus.edu, www.ayman-badawi.com