

Name \_\_\_\_\_

Mathematics 105: Calculus I  
Fall Semester 2009  
David Haines  
October 5  
Quiz #10

Suppose the function  $f$  has rule  $f(x) = x^3 - 3x - 5$  on  $[0, 2]$ .

I. Find all the stationary points of  $f$  on  $[0, 2]$ .

II. Find the minimum and maximum value of  $f$  over  $[0, 2]$ .

III. Find the equation of the tangent line to the graph of  $f$  at each stationary point in  $[0, 2]$ .