Quiz 5

MAT 201, Spring 2017

Name:

Find the derivative for each of the following functions. Apply the theorems from class instead of beginning with the definition.

1. (4 points) $f(x) = 3x^3 - 5x^2 + 10x - 3$

2. (4 points) $g(x) = -5$

3. (4 points) $y = 6e^x - 12\sqrt{x}$

4. The graph below shows the funtion

$$f(t) = -3t^2 + 5t - 3.$$

Find the equation for the tangent line to this curve at the point $(2, -5)$. Sketch your result on the graph.