

Math 101 (Term 151) - Quiz 3

Student Name _____ Student ID: _____

Exercise 1 [5 points]

Find equations of the tangent lines to the graph of $y = \frac{x-1}{x+1}$ that are parallel to $2x - y = 3$.

Exercise 2 [5 points]

Find $\lim_{x \rightarrow 0} \frac{\sin(3x) \cot(5x)}{x \cot(4x)} =$