

Math 101-03 (Term 141) - Quiz 2

Student Name _____ Student ID: _____

Exercise 1

Find $\lim_{\theta \rightarrow 0} \sin 2\theta \cot 3\theta =$

Exercise 2

$$f(x) = \begin{cases} x^2 + a & , x \leq 0 \\ \frac{x - a}{a - 1} & , x > 0 \end{cases}$$

For what values of a is f continuous everywhere?