

Last Name: _____

First Name: _____

Student ID: _____

Quiz 4

Question 1. (2 marks) Where is the following function continuous?

$$f(x) = \frac{x-1}{x^2+x-12}$$

Question 2. (8 marks) Find the slope of the tangent line to the graph of

$$f(x) = -\frac{1}{x}$$

at the point $(3, -1/3)$. Find the equation of this tangent line. (Clearly show your work and use correct notation).