

APPM 1350

Name: _____

Fall 2021

Quiz 9

11/16/2021

Time Limit: 10 Minutes

Recitation Section: _____

Be sure to show your work to justify your answer. Correct answers with no work will not receive full points.

1. Find f^{-1} and the domain of the following function:

$$f(x) = \frac{x+3}{3x-4}$$

2. Find the derivative of the following function and simplify fully:

$$f(x) = \ln\left(\frac{x+3}{3x-4}\right)$$