

WRITE YOUR NAME:

MAC 2311 Homework 4

Due in class, Friday February 24th

You can use more paper if necessary, but please STAPLE

Question 1. Find $f'(x)$.

$$f(x) = \frac{2x^2 + 5}{3x - 4}$$

Question 2. Find $f'(x)$.

$$f(x) = \sec x \tan x$$

Question 3. Find $f'(x)$.

$$f(x) = \frac{\sec x}{1 + \tan x}$$

Question 4. Find $f'(x)$.

$$f(x) = (3x^2 + 2x - 1)^6$$

Question 5. Find $f'(x)$.

$$f(x) = \sin\left(\frac{1}{x^2}\right)$$