

M215 Homework Assignment 4

Please do the following homework problems but do **not** hand them in:

(3.3) 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 33, 35, 37, 61, 71

Please **hand in** the following problems on Wednesday, September 23:

Section 3.3.

1. Find the derivative of $y = (5x + 3)(x^2 + 4)$ in two ways: by using the Product Rule and by performing the multiplication first. Verify you get the same result each way.

2. Find the derivative and simplify: $y = \frac{x^4}{x^2 + 1}$.