

Math 273 - Fall 2015

Homework 4

Due September 14, 2015

If I have seen further than other men, it is because I have stood on the shoulders of giants.

—Isaac Newton

Turn in:

1-5. From the textbook: 2.8.7, 2.8.9, 3.1.47, 3.1.50, 3.1.75.

6. Using the limit definition of the derivative from Section 2.8, find the derivative of the following function. State the domain of both the function and of its derivative.

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

Recommended (Not to turn in):

From the textbook: 2.8.3, 2.8.11, 2.8.12, 2.8.27, 2.8.49, 3.1.4, 3.1.6, 3.1.10, 3.1.16, 3.1.26, 3.1.55, 3.1.60.