

Math 1210 3.6, 3.7, and 3.8 Homework

Resources for help:

- My office hours are 11-12 Monday through Friday in my office, 120 Sc.
- Eric and Jacob (TA) give help sessions during Wednesday classes.
- Our Supplemental Instructor, Eric, has help sessions 3-4pm in Sc 129 on the days that homework is due.
- Calculator question & answer sessions are Wednesdays 4-6 in 178c of the Sharwin Smith Center and are given by Alisha McCann.
- The tutoring center in the Student Success Center in the Sharwin Smith Center has math tutors available
 Monday-Thursday, 8am-10pm
 Friday 8am-6pm
 Saturday 2pm-6pm
 Sunday 6pm-9pm

Date	Lecture Topic	Assignment Due
Feb 15	3.6	3.4,3.5
Feb 16	3.6,3.7	
Feb 19	Presidents' Day Holiday	
Feb 20	3.7	3.6
Feb 21	Help Session	
Feb 22	3.8	3.7
Feb 23	Review	3.8
Feb 26	Chapter 3 Exam	Extra Credit Review

Hw 3.6:

A. Give the chain rule in your own words.

Quick Check Exercises pg 214: 3,4,5a

B. Give the outside and inside functions for 9,10,16,18

C. Give the outside, middle, and inside functions for 13,22

pg 214-216: 2,3,9,10,13,16,18,22,27,30,31,33,35,38,39,43,50,52,54,55,61a,64,79

D. Prove the quotient rule not by using the definition, but rather by writing $\frac{f(x)}{g(x)}$ as $f(x)[g(x)]^{-1}$ and using the product rule, power rule, and chain rule.

Hw 3.7:

Exercises pg 221-224: 1,3a,6,7b,10,11,14,17,23-25

A. Create your own related rate problem.

Hw 3.8:

A. What is a differential? What is it used for?

pg 229-231: 1,3,6,7,9,29,22,25,33,38,41,43,46,47,54,57