

CS 135 Discrete Structures

Spring 2015

Homework Assignment #6: Div, Mod, & Primes

All problems taken from 'Rosen'.

Remember to include the Pledge on your submission.

Section 4.1

- #6
- #22 [a-c only]
 - NOTE: (quotient x y) in Scheme doesn't provide $x \div y$ as expected. So if you want to check out answers in Scheme write your own div function as (floor (/ x y)).

Section 4.2

- #2 [a, b only]
- #4 [a only]

Section 4.3

- #4 [a,b only]
- #14
- #16 [a-c only]
- #32 [c only]

Section 4.5

- #2
- #6

Section 4.6

- #2 [a,c only]

You should be able to do these by hand (especially on exams), but Scheme might help you on many of these, too.