

# Homework 7

due at the beginning of class Wednesday November 19

Please write last 4 digits of your student ID  
(not name)

Justify every response.

## textbook

page 293 problem 4

page 489 problems 3, 5

page 357 problems 4, 5, 15, 17, 21, 22

stuck? stop by office hours.

## additional

1. Find all solutions to

$$4x + 7y = 4$$

$$3x + 3y = 8$$

2. Find all solutions to

$$3xy + x = 4$$

$$2x + 9 = y$$