Written Homework

Your carefully written solutions to the following questions will be due at the beginning of class on **Monday, September 29**. Show all of your work, and explain your steps as if you were teaching someone else how to solve these problems.

**General Instructions:** Set up each of the following problems as a system of equations with two variables, and then solve them using the addition method. Begin each problem by introducing variables and stating their meanings.

1. A board 12 feet long is to be cut into two pieces so that one piece is 3 feet longer than the other piece. How long is each piece?

2. In three consecutive football games, a quarterback threw for an average of 325 yards per game. If the quarterback threw for the same number of yards in each of the first two games but for 60 yards more in the third game, for how many yards did he throw in each game?

3. A certain cellular phone plan has a fixed cost each month and a variable cost that depends on the number of minutes used. In one month, you talk for 302 minutes and end up with a bill for $50.17. In the next month, you talk for 268 minutes and get a bill for $46.77. What is the fixed cost? What is the cost per minute?
Daily Practice Problems

You should do the suggested reading below and attempt these exercises after class each day. You will not submit solutions to these questions for grading, but you may use them as notes during the weekly quizzes on Fridays.

After class on **Tuesday, September 23**, read Section 3.5 (upto page 236) and work the following exercises:
Section 3.5, # 3, 5, 9, 15

After class on **Wednesday, September 24**, finish reading Section 3.5 and work the following exercises:
Section 3.5, # 23, 43, 45, 49

After class on **Thursday, September 25**, read Section 3.6 (upto page 246) and work the following exercises:
Section 3.6, # 5, 15, 17, 29, 31

After class on **Friday, September 26**, finish reading Section 3.6 and work the following exercises:
Section 3.6, # 33, 35, 41, 45