Homework 11
Math 130 - Due April 12, 2011

Written Problems from P&B:

Section 6.5 (p. 158) # 1, 3, 4, 5, 6

Section 6.6 (p. 165) # 1, 2, 5a, 6, 8 (rule 4 is on page 145)

To be done as a 20-minute quiz. Please show all your work, you will be graded on the presentation of your solutions as well as the mathematics involved.

1. Simplify the following complex fraction. Please show all your work and leave your answer as a fraction in simplest form.

$$\frac{1 - \frac{5}{8}}{\frac{2}{7} + \frac{3}{14}}.$$

2. Give a teacher's solution (without algebra!) to the following problem:

   In a chicken coop, $\frac{2}{7}$ of the chickens are roosters and the rest are hens. If there are 21 more hens than roosters in the coop, how many chickens are there all together?