Problem Set 10 for Math 17

Date Due: May 2, 2011

April 21, 2011

Problems:
Chapter 26 - 2, 4, 14, 30, 34, 40, 42

Additional Question:
Name that Chi-square Test. Name the most appropriate chi-square test for each part below.
a. A researcher wants to determine if scoring high or low on an artistic ability test depends on being right or left-handed.
b. A national organization wants to compare the level of highest education completed (high school, college, masters, doctoral/professional) for Republicans versus Democrats to see if there are differences between the two groups.
c. A preservation society has the percentages of five main types of fish in the river from 10 years ago. After noticing an imbalance recently, they add some fish from hatcheries to the river. How can they determine if they restored the ecosystem from a new sample of fish?

Note: Any questions about this assignment should be asked in class on May 2 before presentations or in office hours so that all your questions are addressed before the exam.

Note on extensions: If you decide to use your extension on this homework, you only get an extension until May 6th at 3 pm, because coursework may not be submitted after that time (end of classes) without written permission from the dean.