

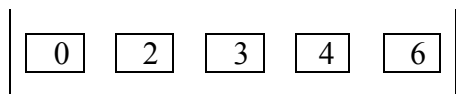
Your Name: _____

Math 140: Statistics, March 25, 2008
Quiz 12, Chapter 17

1. (8 pts.) A box holds one red, one white, one blue, one yellow, one orange, and one green marble. You make 100 draws with replacement and count the total number of red, white, and blue marbles drawn.
 - a) What does the box for counting red, white, and blue marbles look like?
 - b) What is the SD for this experiment?
 - c) What is the expected value for this experiment?
 - d) What is the standard error for this experiment?

2. (4 pts.) Find the standard deviation for each of the following sets of data using the short-cut method presented in Chapter 17:
 - a) 1, 1, 1, 3, 3, 3
 - b) 1, 1, 1, 1, 6

3. (8 pts.) You make 25 draws from the following box:



What is the probability that the sum is more than 90? Please show and label your work.

Pledged: _____