

Your Name: _____

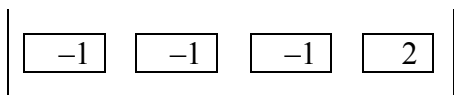
Math 140: Statistics, March 20, 2008
Quiz 11, Chapter 16

1. (6 pts.) Give a box model based on a standard deck of 52 cards for each of the following:
- a) You win \$2 if you draw a face card (king, queen or jack) or a heart and you lose \$2 if you draw any other card.

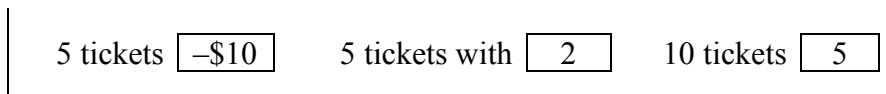
 - b) You win \$3 for a face card, win \$5 for an ace, and lose \$2 for any other card.

2. (6 pts.) Give the expected value for 100 random draws with replacement from the following boxes:

a)



b)



3. (4 pts.) One hundred random draws with replacement are made from the box:



- a) How small can the sum be? How large can the sum be?

- b) About what do you expect the sum to be?

Pledged: _____