

Math 304

Final Study Guide II – from Study Day

1. Sketch a graph that has at least two misleading characteristics.

2. A box contains a red, a yellow, and two green marbles. Two marbles are chosen in succession without replacement.

- a. Use a diagram to list the sample space for this experiment

- b. What is the probability you draw a red and yellow (in any order)?

2. _____

3. The Comstock Police Department is running a raffle in which the grand prize is \$800, and the other prize is \$100. If 2,500 tickets are sold at \$1 each answer these questions:

- a. What is the average amount, per ticket, one can expect to win?

a. _____

- b. If this were a “fair game”, then what would the cost of a ticket be?

b. _____