**Math 30-3 Odds Investigation Name: \_\_\_\_\_\_\_\_\_\_**

*If the following are true…*

The odds of winning a game are 2:1 and the probability of winning is .

The odds of making a shot are 8:2 and the probability of making the shot is .

The odds of tossing a head are 1:1 and the probability of tossing a head is .

The odds of picking a queen are 4:48 and the probability of picking a queen is .

The odds of rolling a four are 1:5 and the probability of rolling a four is .

*then try to complete the following …*

The odds of making a shot are 7:3 and the probability of making the shot is \_\_\_\_.

The odds of picking a red card are 26:26 and the probability of picking a red card is \_\_\_\_\_\_.

The odds of rolling a five or a six are \_\_\_\_\_\_\_ and the probability of rolling a five or a six is .

The odds of getting a campsite are \_\_\_\_\_\_\_ and the probability of getting a campsite is .

*\*\* Now go back through the assignment and if necessary change any odds or probabilities to lowest terms.*