

Math 353 Homework #1- Due Monday 9/12/16

1. Suppose a biased coin comes up heads 65 percent of the time. If we flip the coin 10 times, what is the probability we will get **at least** 8 heads?
2. 2.5.2B
3. 2.6.2B
4. 2.6.3B
5. Find the probability that a bridge hand has 6-3-2-2 distribution. Show your work.
6. In class we worked out the odds that the opponents missing 4 cards in a suit split 4-0, 3-1 or 2-2 (problem 2.4.4B). Complete the same calculation when we have an 8-card fit, i.e. the opponents have 5 cards. What are the odds of a 5-0, 4-3, or 3-2 split?