

## MATH 111: QUIZ #4

1. You flip a coin three times. What is the chance of getting more heads than tails?
2. You roll two dice. What is the probability that the total on the two dice is greater than or equal to 10?
3. You roll three dice. What is the probability that the total of the three dice is between 3 and 18 (inclusive)?
4. Four people are in a room. What is the probability that they were all born on different days of the week? (For this problem, you should assume that the probability of being born on any given day of the week is  $1/7$ .)
5. A friend flips a fair coin three times, and informs you that the number of times the coin came up heads was NOT exactly twice. What is the probability that the coin came up heads all three times?