

MATH 407 FALL 2009

QUIZ 4

1. Suppose that a die is rolled twice. What are the possible values that the following random variables can take on:
 - (a) the maximum value to appear in two rolls.

 - (b) the minimum value to appear in the two rolls.

 - (c) the sum of the two rolls

 - (d) the value of the first roll minus the value of the second roll?

2. On a multiple choice exam with 3 possible answers for each of the 5 questions, what is the probability that a student will get 4 or more correct answers just by guessing?