

## *Exam Review Quiz – Probability*

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1. Three coins are tossed at the same time.
  - a) Draw a tree diagram and list the possible outcomes
  - b) Determine the probability that you get:
    - i) heads on exactly two coins
    - ii) heads on exactly one coin
    - iii) no heads
  - c) In an experiment, you toss three coins together and record the number of coins that turn up heads. You repeat this 10 times, and find that you get the result “no heads” 0 times. How can you change the experiment to get a result closer to the theoretical probability in 1b) above?
  
2. Peter draws a single card from a standard 52-card deck. What is the probability that the card is:
  - a) a red card
  - b) **not** a club
  - c) a King
  
3. Two regular 6-side dice are rolled. What is the probability that:
  - a) the sum is 5
  - b) you roll doubles
  - c) the sum is greater than 9
  
4. A probability can be expressed as a percent between \_\_\_\_\_% and \_\_\_\_\_% or as a fraction or decimal between \_\_\_\_\_ and \_\_\_\_\_.