

## Attendance Quiz 6

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. A couple planning to have four children. Assume that the outcomes are equally likely.

- (a) Find sample space. (Tree diagram may be helpful.)
  
  
  
  
  
  
  
  
  
  
- (b) Find the probability that the four children are at least one boy.
  
  
  
  
  
  
  
  
  
  
- (c) Find the probability that the four children are all boys.
  
  
  
  
  
  
  
  
  
  
- (d) Find the probability of getting exactly two girls and two boys.
  
  
  
  
  
  
  
  
  
  
- (e) How many different ways of a couple have three boys and one girl? (This is NOT probability and is a counting.)