

## Attendance Quiz 12

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

1. A basket contains 7 red apples and 4 yellow apples. A sample of 3 apples is drawn.  
(a) Find the probability that the sample contains all red apples.

(b) Find the probability that the sample contains all yellow apples.

(c) Find the probability that the sample contains 2 yellow and 1 red apple.

(d) Find the probability that the sample contains more red than yellow apple.

2. An elevator has 4 passengers and stops at 7 floors. It is equally likely that a person will get off at any one of the 7 floors. Find the probability that at least 2 passengers leave at the same floor.