

## Attendance Quiz 5

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

1. If two cards are drawn **without replacement** from an ordinary deck of 52 cards. Find the probability getting an ace on the first and a heart on the second card.

2. If two cards are drawn **with replacement** from an ordinary deck of 52 cards. Find the probability getting a face card on the first and a jack on the second card

2. Two dice are rolled. Find the probability that the first number is 3, given the following:

(a) The sum is 7

(b) The sum is 8.

3. Let  $A$  and  $B$  be independent events with  $P(A) = 0.25$  and  $P(B) = 0.2$ . Find  $P(A \cup B)$  and  $P(A \cap B)$ .