

11.7 WS A
AA2

name: _____
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Suppose two cards are drawn at random from a standard deck of playing cards with replacement. Find the probability of each event.

1. The first card is a heart and the second card is a black card.
2. The first card is a red face card or the ace of clubs.
3. Both cards are diamonds.
4. The first card is a diamond and the second card is not a diamond.
5. At least one of the cards is a face card.
6. Exactly one of the two cards is a face card.
7. The first card is a 10 or the second card is a spade.
8. The first card is a red card or a queen.
9. The first card is at least a 4 (aces are high).
10. The second card is a spade or an ace.