Circle one name.

Name: _____   Name: _____   Name: _____

1. A deck of 15 cards has 3 suits (A–C) and 5 ranks (1–5).

Suit\Rank	1	2	3	4	5
A	A1	A2	A3	A4	A5
B	B1	B2	B3	B4	B5
C	C1	C2	C3	C4	C5

   A single card is drawn at random.

   (a) What is the probability of drawing the card B2?

   (b) What is the probability of drawing a card with suit B?

   (c) What is the probability of drawing a card with even rank?

   (d) What is the probability of drawing a card with suit B and even rank?

   (e) What is the probability of drawing a card with suit B or even rank?

2. A deck of cards has 3 suits (A–C) and 5 ranks (1–5), but cards A2 and B4 are missing! There are only 13 cards now. A single card is drawn at random.

   (a) What is the probability of drawing the card B2?

   (b) What is the probability of drawing a card with suit B?

   (c) What is the probability of drawing a card with even rank?

   (d) What is the probability of drawing a card with suit B and even rank?

   (e) What is the probability of drawing a card with suit B or even rank?

3. A deck of cards has 11 suits (A–K) and 25 ranks (1–25), with no missing cards. A single card is drawn at random.

(a) What is the probability of drawing a card whose suit is a vowel (A, E, I, O, or U)?

(b) What is the probability of drawing a card whose rank is a multiple of 6 (6, 12, ??,...)?

(c) What is the probability of drawing a card whose suit is a vowel and whose rank is a multiple of 6?

(d) What is the probability of drawing a card whose suit is a vowel or whose rank is a multiple of 6?