Name _____   Date _____

Probability

Find the probability. Assume that the spinner is separated into equal sections.

1. There are 5 pink, 4 navy, and 5 red marbles in a hat. You pick 4 marbles from the hat. Marbles are returned after they have been drawn. P(the first marble is pink, the second marble is pink, the third marble is pink, and the fourth marble is not red)	2. There are 5 pink, 3 navy, 2 green, and 3 gray marbles in a hat. You pick 2 marbles from the hat. Marbles are returned after they have been drawn. P(the first marble is navy and the second marble is green)
3. You roll a cube which has the numbers 20, 22, 25, 26, 27, and 28 on it. You then spin a spinner which has 6 sections. The letters on the spinner are F, H, E, B, C, and K. P(K and 26)	4. You roll a cube which has the numbers 17, 22, 20, 22, 24, and 25 on it. You then spin a spinner which has 4 sections. The letters on the spinner are J, F, J, and E. P(not 20 and J)
5. There are 4 black, 6 blue, and 2 red marbles in a hat. You pick 2 marbles from the hat. Marbles are <u>not</u> returned after they have been drawn. P(the first marble is not blue and the second marble is not blue)	6. A deck of cards has 4 white, 4 yellow, and 4 violet cards. You pick 3 cards from the deck. Cards are <u>not</u> returned to the deck after they are picked. P(three yellow cards in a row)
7. You roll a number cube numbered from 1 to 6. You then spin a spinner with 5 sections each with a different color. The spinner has the colors pink, black, gray, blue, and yellow. P(pink and 4)	8. You flip a coin and toss a 1-6 number cube. P(5, 1, 3, 2, or 6 and heads)
9. A deck of cards has 3 pink, 5 violet, and 5 purple cards. You pick 2 cards from the deck. Cards are returned to the deck after they are picked. P(two pink cards in a row)	10. You roll a cube which has the numbers 3, 4, 5, 8, 11, and 12 on it. You then spin a spinner which has 8 sections. The letters on the spinner are F, K, B, D, G, J, C, and A. P(not a 12 and not B)