10.2B Practice: Probability

Determine the likelihood of each event (impossible, unlikely, even chance, likely, or certain).

1.   rolling an even number on a number cube labeled 1 through 6   _____

2.   picking a card with a vowel on it from a box of cards in which
        each letter of the alphabet is written on a card   _____

3.   spinning a number greater than 2 on a spinner with 10 equal
        sections marked 1 through 10   _____

4.   drawing a red marble from a bag of black, blue, and green
        marbles   _____

5.   flipping a coin and getting heads or tails   _____

6.   rolling a number that is less than three, 5 times in a row on
        a number cube labeled 1 through 6   _____

Solve.

7.   A bag contains 3 green marbles, 7 blue marbles, and 2 black
        marbles. What is the probability of not picking a green marble?   _____

8.   A spinner has 8 equal sections labeled 1 through 8. What is
        the probability of spinning a number that is not greater than
        or equal to 6?   _____

9.   The probability of randomly drawing a red card from a bag
        that contains red, blue, and green cards is 3/10. What is the
        probability of not drawing a red card?   _____

10.   Myra almost always spends at least 45 minutes on the treadmill.
        If Myra got on the treadmill at 5:20 p.m., what is the likelihood
        that she will still be on the treadmill at 6:00?   _____