Name: _____   **Date:**_____

Probability Pre-Test: Likelihood of Events

1) Complete the chart below. *Remember you are figuring out all the different probable outcomes for the next card drawn from the complete deck

Make certain to follow each of these steps:

Step One: List all the cards that could be drawn that are:
      a) over the highest drawn card
      b)under the lowest drawn card
      c) in-between the two drawn cards
      d) the same as one of the two drawn cards

Step Two: Provide the 4 probabilities

Step Three: Rank the probabilities from most likely to second most likely to third most likely to least likely

	First Card Drawn	Second Card Drawn	Over	Under	In-between	Same as drawn card(s)
Working it out!	3 of Hearts	7 of Spades				
Provide the probability						
Rank the probabilities						

2) Complete the chart

	First Card Drawn	Second Card Drawn	Over	Under	In-between	Same as drawn card(s)
Working it out!	Ace of Spades	10 of Hearts				
Provide the probability						
Rank the probabilities						

Answer the following probability questions

3) Provide <u>real world</u> examples to explain each of the following words:

a) Impossible: _____

b) Possible: _____

c) Certain: _____

d) Unlikely: _____

d) Likely: _____

3) From a bag of 12 marbles with 4 red, 3 green, 2 yellow and 3 black, consider the following three questions.

a) Identify an event which is possible _____

b) Identify an event which is impossible _____

c) Identify an event which is certain _____