1. Determine the sample space by listing the elements of the sample space in set notation and then determine the number of possible outcomes in that sample space.

a) The rolling a 8 sided (D8) die.

- b) The possible genders of the two children in a family.
- ____
- _____
- c) A bag of marbles with 3 Red, 2 Green and 5 Yellow.
- d) The sum of two dice (D6).
- _____

e) The letters in the word, Golf.

f) The digits in the number, 13430

2. Determine whether the sample spaces in question #1 are uniform or not.

a) Uniform or Not Uniform

b) Uniform or Not Uniform

c) Uniform or Not Uniform

d) Uniform or Not Uniform

e) Uniform or Not Uniform

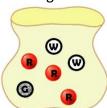
f) Uniform or Not Uniform

3. Determine the sample space from the diagram - list the elements of the sample space in set notation.

a) the numbers on the spinner



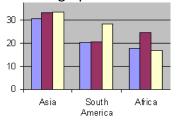
b) the marbles in the bag



d) the text on the tiles



e) continents on bar graph



5. She thinks this is easy and quickly lists, {1, 5, 5, 25}.
ng which contains 3 blues and 2 reds. He lists {Blue, equally likely because you can either get blue or red.
the elements and size of the sample space and lities.
b) picking a marble from a bag #1 with 2 green and 1 red marble and then picking from bag #2 with 1 orange and 3 purple marbles.
Size = Uniform or Not Uniform d) flipping a coin three times
Size = Uniform or Not Uniform
Sally (Rock) (Paper) (Scissors) Jeff (Rock) Jeff (Paper) Jeff(Scissors) b) How many ways can Jeff win?