## Math 310 - Dr. Miller - Activity#14: Creating Spinners/Geometric Probability

For each set of clues below, draw a *single* spinner that satisfies all of them simultaneously. Be sure you interpret each clue as the probability of an entire EVENT, not the probability of a chosen OUTCOME among options. (See the clue marked (\*) for clarification.)

- 1. (a) (\*) The probability of landing on a color in the American flag is 1/2.
  - (b) The probability of landing on blue is twice that of landing on red.
  - (c) P(white) = 0
  - (d) P(green) = P(red)
  - (e) The spinner has four colors on it.

- 2. (a) (\*) The probability of landing on one of the numbers 21, 22, 23, 24, or 25 is 1.
  - (b) The probability of landing on a composite number is 1/2.
  - (c) P(21) = P(22)
  - (d) At least two numbers in the list 21, 22, ..., 25 have a probability of 0.