Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework #88 – Likelihood of Events

Directions: Describe the likelihood of the event given its probability.

1. There is a 30% chance of snow tomorrow.
2. You solve a brain teaser 0.75 of the time.

You randomly choose one hat from 3 green hats, 4 black hats, 2 white hats,   
2 red hats, and 1 blue hat. Find the probability of the event.

3) Choosing a red hat 4) Choosing a black hat

5) *Not* choosing a white hat 6) Choosing a blue hat

7) *Not* choosing a black hat 8) *Not* choosing a green hat

9) The probability that you draw a mechanical pencil from a group of 25 mechanical and wooden pencils is  How many are mechanical pencils?