Name: $\qquad$
Time to investigate! Show your work for each question and circle your answer. This is due by Friday, May 20th (10 points)

| 1. Probability( Refer to ch $\mathbf{1 3 . 1}$ for help) <br> There are two red marbles, 4 green marbles and one yellow marble in a bag. Without looking you picked one marble out of the bag. What is the probability of picking the yellow marble? | 2. The Counting Principle (Refer to Ch 13.3 for help) <br> You are at a George Mason basketball game where you went to pick out a meal to eat. See the scenario below and answer the question. <br> When choosing 1 burger, 1 side serve and 1 drink ... how many combinations are possible? |
| :---: | :---: |
| 3. <br> Which group of pizza gives you more, two 12 in. pizzas or one 18 in. pizza? | 4. Stem and leaf plots. (refer to ch 3.3 for help) <br> Make a stem and leaf plot for the given data.$74,88,97,72,79,86,95,79,83,91$Stem Leaf <br>   <br>   <br> Key: 8\|6 = $\qquad$ |



