**PRACTICE-1D** **MA235**

1. A statistics professor gave his students the following grades on a recent test:

**90 88 56 75 85 69 84 92 70**

Use these scores to calculate:

1. The mean **a)** ...............................
2. The median **b)** .................................
3. The mode **c)** .................................
4. The midrange **d)** .................................
5. P75 **e)** ................................
6. Use the given data to compute each of the following **statistics**.

**69 68 70 56 64 62 74 85 80**

**a)** The range **a)** ........................

**b)** The variance **b)** ...........................

**c)** The standard deviation **c)** .............................

1. **Seven** people enter a room containing **five** chairs. In how many different ways can the seven people be seated in the five chairs ?
2. Two cookies are selected at random **without replacement** from a jar containing

**6** vanilla cookies and **16** chocolate cookies. What is the probability that the first cookie is vanilla and the second is chocolate ?