Name _____

Class _____

The list below represents a population of 30 people, given by their initials.

1-GN	7-TW	13-VN	19-GK	25-KR
2-TB	8-LS	14-FJ	20-ZA	26-PS
3-BM	9-AK	15-MT	21-EP	27-FL
4-OR	10-SC	16-RU	22-RJ	28-HW
5-BL	11-CI	17-DI	23-JS	29-FV
6-HS	12-HT	18-YD	24-EB	30-OT

Problem 1 – Find a Simple Random Sample

On page 1.8, find a random sample of 8 people from the list and record them below.

Problem 2 – Find a Stratified Random Sample

On page 2.3, find a sample of 12 people from the list, half women and half men. Record below.

- Why is the sample disproportionate?

On page 2.6, find a proportionate sample of 12 people from the list.

Problem 3 – Find a Cluster Sample

On page 3.4, randomly select two clusters from the list. List the people in your clusters.

Problem 4 – Find a Systematic Sample

On page 4.3, find a sample of 6 people from the list by selecting every fifth person from a random starting point.

- Why is a sample found this way not a SRS?

- Discuss advantages and disadvantages of each sampling method and when one would be used over another.