Exam Review Quiz – Statistics

- 1. Given the following list of values: 72, 45, 80, 91, 56, 79, 82, 80, 68 Determine:
 - b) median c) mode a) mean
- 2. Given that the mean of the following data set is 59, complete the following table and determine the range, the variance, and the standard deviation: 28, 51, 91, 47, 58, 79

	x	$(x-\bar{x})$	$(x-\bar{x})^2$
Range =	28		
	51		
Variance =	91		
	47		
Standard Deviation =	58		
	79		

- Match each scenario in Column I with the appropriate sampling method from Column II. 3. (Note: There is one extra in Column II!)

Column I (Scenario)	Column II (Sampling Method)	
 i) A radio-show host invites listeners to call in with their views on banning smoking in restaurants.	A. Cluster	
 ii) The Heritage Ministry selects a sample of recent immigrants such that the proportions from each country of	B. Convenience	
origin are the same as for all immigrants last year.	C. Voluntary Sample	
 iii) A school guidance counselor arranges interviews with every fifth student on the alphabetized attendance roster.	D. Stratified	
 iv) The province randomly chooses 25 public schools to participate in a new fundraising initiative.	E. Simple Random	
 v) The teacher puts each student's name on a piece of paper in a box, then draws three names.	G. Systematic	