Name: Date:
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## **Chapter 11 Review**

## **Key Words**

For #1 to #9, write the number that matches the description.

1.	an example is every 10th person in a line-up	convenience sample			
2.	bias and cost are examples of these	population			
3.	an example is polling 2 students out of 100 about who will win an election	influencing factors			
4.	an example is the first 30 people entering the gates at a football game	sample biased sample			
5.	any group of individuals selected from a population	voluntary response sample			
,		random sample			
6.	a specific number of people selected from a population	systematic sample			
7.	the whole group of people being studied	stratified sample			
8.	an example is dividing the population into males and females and then randomly selecting a proportional number from each group				
9.	an example is a population invited to call in to a radio talk show	Influencing factors:			
11	.1 Factors Affecting Data Collection, pages 618–624	cost     time and timing			
10	Name 1 influencing factor for each situation.	privacy     cultural sensitivity			
a) Ask the first 40 people entering a park office if they think parks are worth the cost.					
	<b>b)</b> Ask 10 randomly chosen grade 8 students if the grade	12 students should have a special dance.			
	c) Ask 15 juice drinkers if they support replacing juice in	n the vending machine with bottled water.			

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11. Write 1 influencing factor that may affect data collection. Then, rewrite the survey question.		
	a)	You look like a good citizen. Do you support more money for hospitals?
		Influencing factor:
		Rewrite question:
	<b>b</b> )	Everybody loves The Rockets. Who is your favourite rock group?
		Influencing factor:
		Rewrite question:
	c)	Do you prefer ice hockey or cake after school?
		Influencing factor:
		Rewrite question:
11.	2 Co	Dilecting Data, pages 626–634
12.	Ide	entify the population for each situation. Then, describe how you would select a sample for each.
	a)	the spending habits of teens in Canada
		Population:
		I would select a sample by
	b)	the popularity of different kinds of music in your school
		Population:
		I would select a sample by
	c)	the cost of gasoline in your community
		Population:
		I would select a sample by

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13.		Survey the first 20 shoppers to enter the north entrance of a mall.  Sample type:  There could be bias because	<ul> <li>rypes of samples:</li> <li>convenience</li> <li>voluntary</li> <li>random</li> <li>stratified</li> </ul>	
	b)	Divide youth conference delegates into groups according to the wester where they live. Then, randomly select 20 youths from each group.  Sample type:  There could be bias because	ern province or territory	
	c)	The area supervisor for a fast-food chain selects employees at 1 store  Sample type:  There could be bias because	e location.	
14.	What type of sample do you suggest for each situation? Give 1 reason for your choice.			
	a)	a survey of customers to find out their favourite sundae topping  Type:  Reason:		
	b)	a survey of doctors, nurses, and hospital administrators to find out if more patient rooms  Type:		
		Reason:		