

## Section 11.1 Extra Practice

1. For each situation, identify and describe any factors that may influence the collection of data.
  - a) A sales representative e-mails a survey to you. In exchange for your participation, you will have a chance to win a trip for two people to a destination you choose. There is no other information.
  - b) An interest group surveys community residents about whether or not they would support a curfew for teens. The survey is being conducted the week after several incidents of vandalism at the high school were reported in the newspaper.
  - c) A village council wants to know if residents are in favour of building a new skating arena. The council decides to survey 500 people at the next hockey game.
  - d) The coach of a baseball team needs drivers with good safety records to transport players to tournaments. She asks each parent at a parent meeting if they had any traffic violations in the last six months.
  - e) A manufacturing company surveys its shareholders about a proposed expansion.

Expansion is a progressive step forward! Are you in favour of the expansion?  
YES NO

- f) An information package and survey are mailed to 3000 residents about a proposal to improve the gardens in the local park. The cost to print and mail each survey is \$10.
2. For each situation, develop a survey question that is clearly written and free from influencing factors. Exchange your questions with those of a classmate. Provide feedback to each other and then make improvements to your questions.
    - a) The local service club wants to know if its members are in favour of buying seeds and tools to start a community garden.
    - b) A teacher wants to know which Internet browser is most popular with students.
    - c) A youth group wants to know if the local residents will support their landscape company.
    - d) A cell phone company wants to know whether to offer free message manager or free texting for their new promotional package.