Name: _____   Date: _____
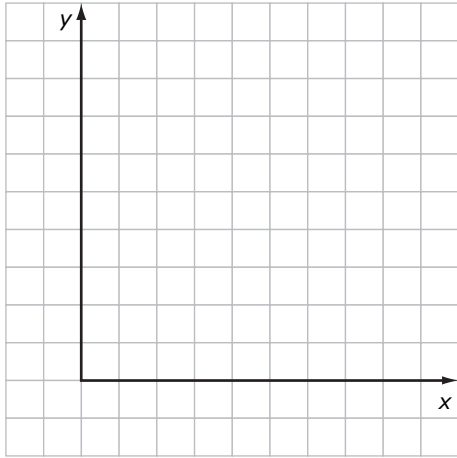
Chapter 11 Problems of the Week

1. a) The price of a stock went from $20.25 to $20.30 in 1 year.
Sketch a graph that makes it look like the stock's price increased a lot
more. Title and label your graph.

b) Describe how your graph is misleading.

_____

_____

2. A school is comparing student attendance over 2 years.
Last year, there were 500 students in the school and an average of 30
students were absent each day.
This year, there were 550 students, and an average of 5% of students were
absent each day.

a) The principal says attendance has improved. Do you agree or disagree?
Give 1 reason for your answer.

_____

_____

b) Write 1 question about absentee rate that you might ask your principal .

_____

_____

3. Three of your friends recorded their math quiz scores.
Each quiz was out of 10.

Amy: 3, 5, 9, 9, 9
Peter: 3, 3, 7, 9, 9
Molly: 8, 8, 9, 9, 9

a) Find the mean, median, and mode for each student.

Amy:
Mean: *Median*:   *Mode:*

Peter:
Mean: *Median*:   *Mode:*

Molly
Mean: *Median*:   *Mode:*

b) Which of the following measures would give the fairest grade?
Circle MEAN, MEDIAN, or MODE. Give 1 reason for your answer.

_____

_____

Name: _____   Date: _____

4. A school dance committee wants to use a survey to pick a band for the Grade 9 dance. They know that influencing factors can give poor results. Complete the table below by identifying the influencing factors in each idea.

Survey Idea	Influencing factor
Ask "What does a good band sound like?"	
Hire a survey company and pay them.	
Make all students fill out the survey.	
Ask if the band members are good looking.	