Making Predictions and Critical Judgments (Table/Verbal)

Name:

Date:

Vocabulary Review:
In your own words, define each of the following vocabulary terms.

- Coefficient

- Constant

- Linear Function

- Rate of Change

- Relation

- Slope-Intercept Form

- *y*-intercept

Apply New Learning:

1. How can linear relationships be used to make predictions about unknown data.

2. Find the rate of change for the following table of data.

People	Cost (dollars)
1	3.95
2	7.90
3	11.85
4	15.80
5	19.75
6	23.70

3. What is the constant for this data. Label your answer correctly.

4. If *x* is the number of people and *y* is the total cost, write a linear equation to represent the relationship shown in the table. Label your answer correctly.

5. Use the relationship shown in the table to predict the cost of 10 people. Label your answer correctly.