

Name: _____

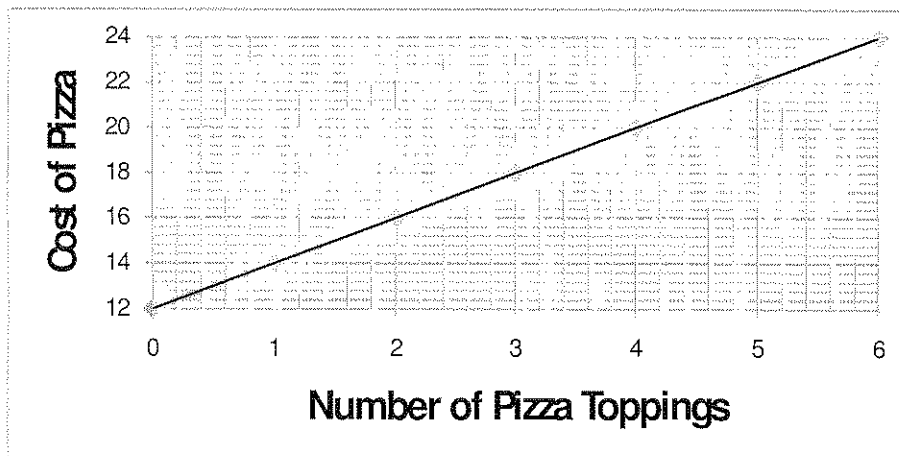
Date: _____

Pre-assessment

Complete the following table by writing possible independent or dependent variables.

Independent Variable	Dependent Variable
EXAMPLE: <i>Number of hours you study for a test</i>	<i>Your test score</i>
1. Number of gallons in your gas tank	1.
2.	2. Your IQ (Intelligence Quotient)
3. The number of calories you eat each day	3.
4.	4. Your level of happiness

Refer to the following graph for questions 5-7.



- What is the independent variable?
- What is the dependent variable?
- How are the independent and dependent variables related? (*Be as precise as you can*)

You are given the following data on the relationship between John's test score and the number of hours he studies.

# of Hours John Studies	John's Test Score
0	75
.5	80
1	85
1.5	90
2	95
2.5	100

8. What are the independent and dependent variables?
9. How are the independent and dependent variables related? (*Be as precise as you can*)

You are given the following data on the relationship between the number of dinner guests at Mary's house and the amount of time she will need to prepare dinner.

Number of Guests	Meal Preparation Time (min)
3	25
4	33
5	41
6	49
7	57
8	65

10. What are the independent and dependent variables?
11. How are the independent and dependent variables related? (*Be as precise as you can*)