Name:	Ken	
		1

Date:	
Date.	

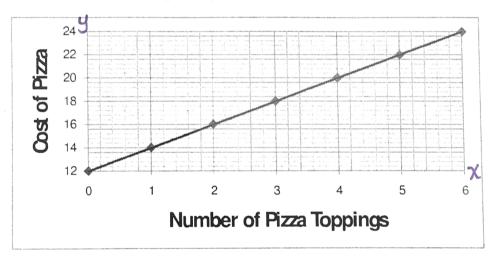
Complete the following table by writing possible independent or dependent variables.

Independent Variable

Dependent Variable

independent variable	Dependent variable	
EXAMPLE: Number of hours you study for a test	Your test score	
Number of gallons in your gas tank	1. How many miles you can drive.	
2. How well you can solve problems	2. Your IQ (Intelligence Quotient)	
3. The number of calories you eat each day	3. Your weight	
4. How much sieep you get.	4. Your level of happiness	

Refer to the following graph for questions 5-7.



- 5. What is the independent variable? Number of pizza toppings
- 6. What is the dependent variable? COST OF PIZZA
- 7. How are the independent and dependent variables related? (Be as precise as you can)

The more toppings you get, the more expensive the pizza.

(They increase/decrease together)

hord Miners 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?

 hours studied Test score
- 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)

Each additional guest adds 8 minutes to the meal preparation time.