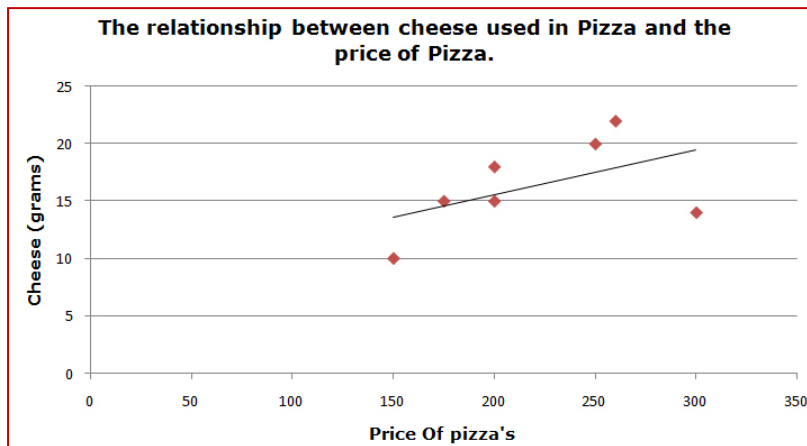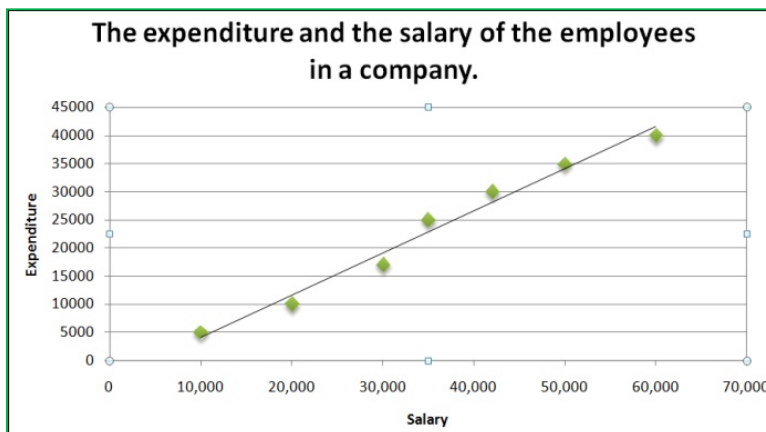Name _____   Date _____

Using Straight Lines to Model Relationships- Guided Lesson Explanation

When we are looking to determine if a relationship exists, we have to graph the data. We should know that a relationship does exist if the line of best fit is raising or falling. A raising line would indicate a positive relationship. A falling line would indicate a negative relationship. Flat lines indicate little to no relationship between the two items.

Explanation#1

So, this graph indicates a steadily rising line of best fit. This indicates a positive relationship between cheese used in Pizza and the price of Pizza.

That would mean that the more cheese used would result in an increased cost per slice.

Explanation#2

So, this graph indicates a steadily rising line of best fit. This indicates a positive relationship between the expenditure and the salary of the employees in a company.

That would mean that the more an employee makes, the more that they tend to spend.

Explanation#3

So, this graph indicates a steadily rising line of best fit. This indicates a positive relationship between the tax and inflation.

As inflation increases so does the cost of tax.