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| NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_ | **Algebra** |
| Slope | **DATE: Friday, June 09, 2017** |

In Infinite Campus, in the spring, I tracked the temperature each day and how many absences there were.  There was a strong trendline and I found the equation to be: y=2.4x+45 where x is the temperature and y is the number of absences.

What does the slope mean in real terms?

What does the y intercept mean?

The size of a chicken grown for meat, depends on how many days it has been alive.  The weight can be predicted by the equation y = 1.8x + 14 where x is the days alive and y is the predicted weight (in ounces).

What does the slope mean in real terms?

What does the y intercept mean?

The cost of insurance follows the equation y = -120x+3900 where x is the years since 15 of the driver and y is the yearly cost of insurance.

What does the slope mean in real terms?

What does the y intercept mean?

For a final project Janallie is looking at many hours of sleep people get and their gpa.  She finds the equation of the regression line to by y = 4.9x + 52 where x is the number of hours of sleep some gets and y is their gpa.

What does the slope mean in real terms?

What does the y intercept mean?