

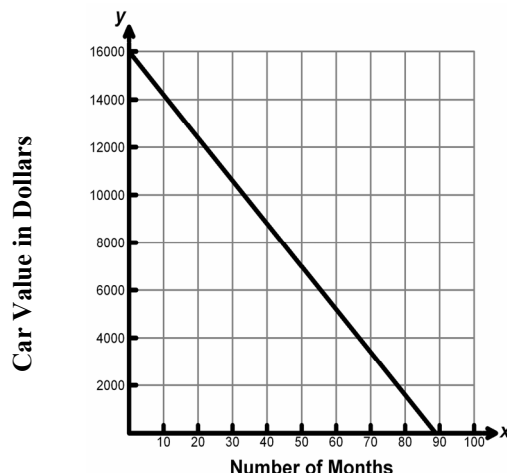
Transparency: Tables and Graphs

Problem 1

Table

Number of months (x)	Value of car (y)
1	\$15,815
2	\$15,635
3	\$15,455
4	\$15,275

Graph



Equation

Slope-intercept form

$$y = mx + b$$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

Problem Situation

Stuart bought a car last week. The table shows the depreciation of his car each month. Find an equation Stuart could use to predict the value of his car at x months.

Independent variable: _____

Dependent variable: _____

What will be the value of Stuart's car in 2 years?

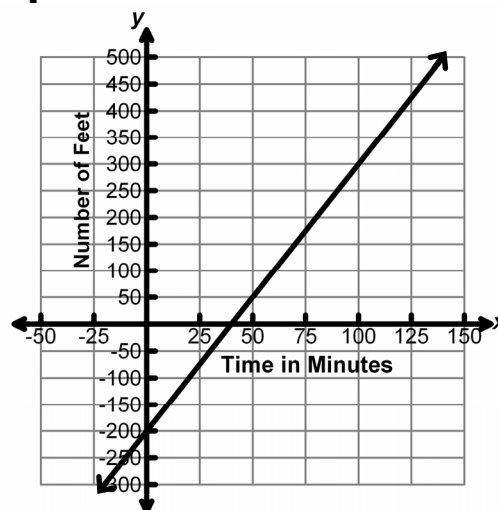
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Problem 2

Table

Minutes (x)	Feet (y)
0	-200
3	-185
6	-170
9	-155
12	-140
15	-125
18	-110

Graph



Equation

Slope-intercept form

$$y = mx + b$$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

Problem Situation

A submarine is 200 feet below sea level. The table shows the data for the submarine as it surfaces.

Independent variable: _____

Dependent variable: _____

How many minutes pass before the submarine reaches the surface of the water?