Name _____Date _____

TOWING SERVICE

Verbal Description

When a tow truck is called, the cost of the service is $10 plus $1 per mile that the car must be towed.

Slope: $\frac{\$1}{1\ Mile}$

Y-intercept: 0 Miles Towed
$10 Charged

Define your Variables

Independent:

Dependent:

Equation:
$y = mx + b$

$y =$ _____

Table of Values

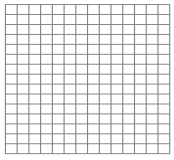
X	Y

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

Name _____Date _____

T-SHIRT SHOP

Verbal Description

Your new job is at the Custom T Shop, where T-shirts are printed to order. For each order, Custom T Shop charges $8.00 per shirt plus a onetime set up fee of $15.00

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent: Number of T-Shirts

Dependent: Total Cost for Customers

Write an Equation:

$y = mx + b$

$y = 8x + 15$

Table of Values

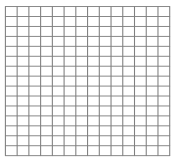
X	Y

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

Name _____Date _____

PLUMBER

Verbal Description

When a plumber is called, the cost of the service call is $50 for him to show up at your house, plus an additional $25 per hour.

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent:

Dependent:

Equation:

$y = mx + b$

$y =$ _____

Table of Values

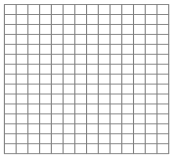
Hours Worked	Total Price
X	Y
0	50
1	75
2	100
3	125

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

Name _____Date _____

CELL PHONE CHARGES

Verbal Description

Your cell phone company charges $20 a month plus $0.50 per text message.

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent:

Dependent:

Write an Equation:

$y = mx + b$

$y =$ _____

Table of Values

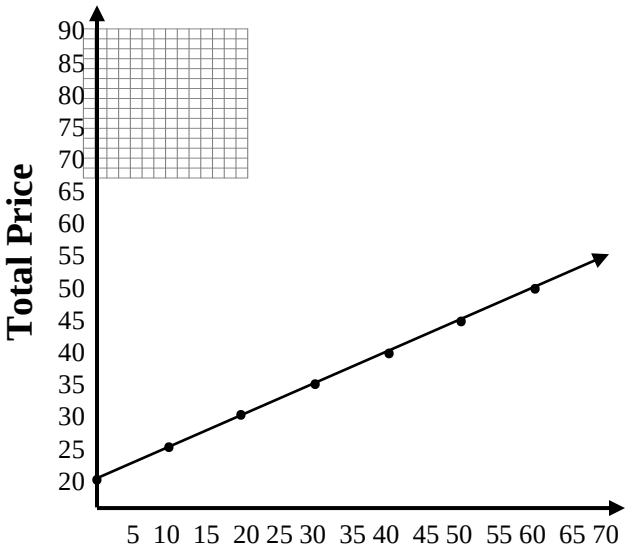
X	Y

Points to Graph:

(,) (,)

(,) (,)

Graph



Name _____Date _____

POPULATION

Verbal Description

Suppose a town has a population of 5,000 residents but that the population is decreasing by 200 people each year.

Slope: $\frac{-200\ People}{1\ year}$

Y-intercept: 0 Years
5,000 People

X-intercept: 25 Years
0 People

Define your Variables

Independent:

Dependent:

Write an Equation:

$y = mx + b$

$y =$ _____

Table of Values

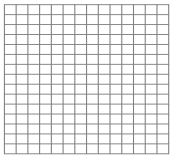
X	Y

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

Name _____Date _____

CARICATURES AT THE FAIR

Verbal Description

At a fair, Bob draws caricatures. He pays the fair $30 for space to set up a table and $2 for each drawing he sells.

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent: Drawings Sold

Dependent: Total Price for Customer

Write an Equation:

$y = mx + b$

$y = 2x - 30$

Table of Values

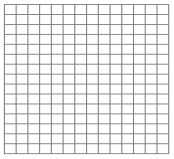
X	Y

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

Name _____Date _____

CAR VALUE

Verbal Description

The average value of a certain type of automobile was $14,220 in 1993 and depreciated by $2,220 every 2 years.

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent:

Dependent:

Write an Equation:

$y = mx + b$

$y =$ _____

Table of Values

X	Y

Points to Graph:

(,) (,)

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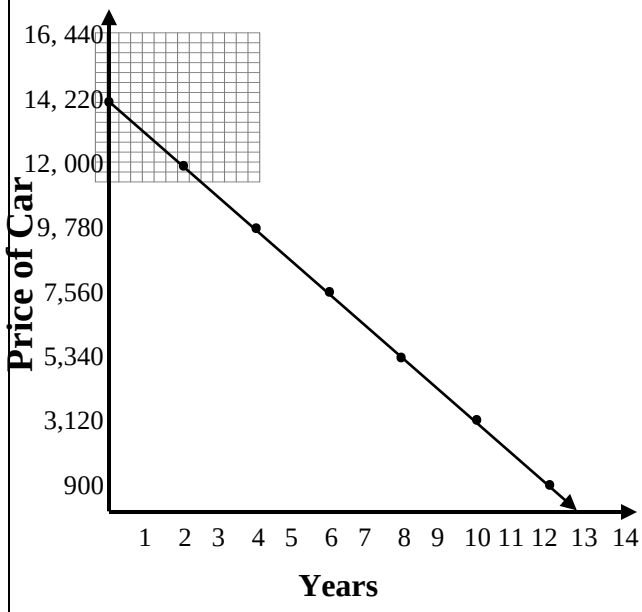
Graph



Name _____Date _____

RENTAL CAR

Verbal Description

The rental rate at Rent a Wreck is $30 per day plus $0.25 per mile driven.

Find the following and explain what they mean.

Slope:

Y-intercept:

X-intercept:

Define your Variables

Independent:

Dependent:

Write an Equation:

$y = mx + b$

$y =$ _____

Table of Values

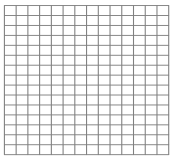
Miles Driven	Total Price
X	Y
0	30
4	31
8	32
12	33

Points to Graph:

(,) (,)

(,) (,)

Graph



****Label your Axis****

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<td>Equation

Define your variables:

y =

x =

Write your equation:

y =</td>
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 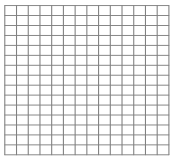 </td>
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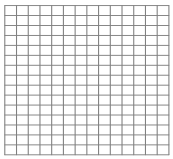
Table of Values X | Y | | | | | | Points to Graph: (,) (,) (,)	**Graph** 

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 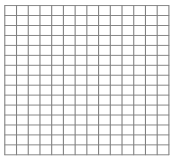 </td>
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 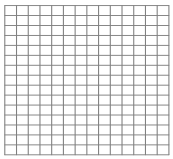 </td>
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 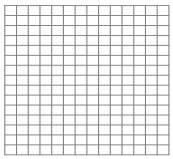 </td>
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