Name _____ Period _____

SCENARIO #1 - TOWING SERVICE

	Problem S	ituation	Write a Linear Equation
Your parents buy you a used car for your 16 th birthday. Unfortunately, it breaks down on the way to school. You call a towing service to pick up the car. When the tow truck driver arrives, he informs you the cost of the service is \$10 plus \$1 per mile that the car needs to be towed. How does the total cost of the towing service depend on the number of miles the car is towed?			Define your variables: Slope/Rate of Change: Starting Point/Y-intercept: Write the equation using function notation.
	Create a Table	e of Values	Graph the Function
	Create a Table Independent Quantity	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units	Create a Table	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.

SCENARIO #2 - T-SHIRT SHOP

	Problem S	ituation	Write a Linear Equation
Problem SituationYou get a part-time job at the Custom T- Shirt Shop in the Galleria where t-shirts are printed to order. For each order, the Custom T-Shirt Shop charges \$8.00 per shirt plus an initial set up fee of \$15.00.How does the total cost of the t-shirts depend on how many t-shirts are ordered?			Define your variables: Slope/Rate of Change: Starting Point/Y-intercept: Write the equation using function notation.
	Create a Table	e of Values	Graph the Function
	Independent Quantity	Dependent Quantity	Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units			

Name _____ Period _____

SCENARIO #3 - CELL PHONE CHARGES

	Problem S	ituation	Write a Linear Equation
You just got a new cell phone for Christmas. Unfortunately, your parents think you should pay the monthly charges. Your cell phone company charges \$20 every month plus \$0.50 per text message. How does your total monthly cell phone bill depend on the number of text messages sent?			Define your variables: Slope/Rate of Change: Starting Point/Y-intercept: Write the equation using function notation.
	Create a Table	e of Values	Graph the Function
Quantita	Independent Quantity	Dependent Quantity	Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Units			
Expression			
Expression			

Name _____ Period _____

SCENARIO #4 - POPULATION

	Problem Si	tuation		Write a Linear Equation
Suppose Pelham has a population of 5,000 residents, but the population is decreasing by 200 people each year as families relocate to Hoover.			Define your variables: Slope/Rate of Change:	
How is the population in Pelham affected by time?				Starting Point/Y-intercept:
				Write the equation using function notation.
	Create a Table	e of Values		Graph the Function
	Independent Quantity	Dependent Quantity		Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity				
Units				
Expression				

SCENARIO #5 - CARICATURES AT THE FAIR

	Problem S	ituation	Write a Linear Equation
At the fair, Bob draws caricatures. He pays the fair \$30 for a space to set up his table and an easel and \$2 for each drawing he sells. How does the total amount of money that Bob pays the fair depend on the number of caricatures he sells?			Define your variables: Slope/Rate of Change:
			Starting Point/Y-intercept:
			Write the equation using function notation.
	Create a Table	e of Values	Graph the Function
	Independent Dependent Quantity Quantity		Label the x- and y-axes with the independent and dependent quantities and their units of measure.
	Independent Quantity	Quantity	
Quantity	Independent Quantity	Quantity	
Quantity Units	Independent Quantity	Quantity	
Quantity Units Expression	Independent Quantity	Quantity	

SCENARIO #6 - PLUMBER

<section-header>Problem SituationYou decide to have a costume party for Halloween. The party is a great success except that someone stuffs a roll of toilet paper down the toilet causing it to backup and overflow. You call a plumber for service who tells you that it will cost \$50 for the initial house visit plus an additional \$25 per hour.How does the total cost of the plumber depend on the number of hours he spends repairing your plumbing.</section-header>			r let it	Write a Linear Equation Define your variables: Slope/Rate of Change: Starting Point/Y-intercept: Write the equation using function notation.
Quantity Units	Create a Table	e of Values Dependent Quantity		Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure. Image: Ima
Expression				

EXIT SLIP -	CREATE YOUR	OWN SCENARIO
	CREATE TOOL	orrest och made

	Problem S	ituation	Write a Linear Equation
			Define your variables: Slope/Rate of Change:
			Starting Point/Y-intercept:
			Write the equation using function notation.
	Create a Table	e of Values	Graph the Function
	Create a Table Independent Quantity	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity	Create a Table Independent Quantity	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units	Create a Table	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units	Create a Table	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units	Create a Table	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.
Quantity Units Expression	Create a Table	e of Values Dependent Quantity	Graph the Function Label the x- and y-axes with the independent and dependent quantities and their units of measure.