1D "	WC	DRD"	Name		Per:						
WORI Obje	K IN ctiv	N PENCIL AND SHOW YOUR WORI e: Write equations from story probl	K! ems in slope-in	tercept form	Due: Sept 4 th /Sept 5 th						
1.	1. The amount of money Joe the plumber charges is represented by the equation $C = 65k$										
	a.	Define the two variables. $h =$			_ <i>C</i> =						
	b.	What is the slope of the equation?			_ What does the slope represent in the						
		context of the problem?									
	c.	What is the y-intercept?	does it represe	nt in the story?							
	d.	If you were to hire Joe and he worked	w much would	ould you owe him?							
	e.	e. If Joe said that he made \$620 on a job, how many hours did he work?									
	f.	Complete the table and define your va	riables.	<i>h:</i>	<i>C</i> :						
				0							
				$\frac{2}{3}$							
				11							
2.	2. Laura lights a candle. The height of the candle is 6 " and each hour that it burns it go										
	a.	What is the slope of the equation repro-	esenting the heig	tht of the candl	e?						
	b.	. What does the slope represent in the context of the problem?									
	c.	What is the y-intercept? What does it represent in the story?									
	d.	. Define your variables:									
	e.	e. What is the x-intercept? What does it represent in the story?									
	f.	How many hours will the candle burn before it is gone?									
	g.	. If the height of the candle is 2.75", how long has the candle burned?									
	h.	Make a table that fits this situation.	Hours		7						
				0	_						
			0		_						
					_						
3.	De	where come money and denosite \$50 in	to a gavings again	unt The benk	nove har 70/ appual interest						
	Dč	Barbara earns money and deposits \$50 into a savings account. The bank pays her 7% annual interest									
	ea	each year that she keeps the money in the account.									
	a.	i. what is the y-intercept of the equation?									
	b.	b. what does the y-intercept represent in the context of the problem?									
	c.	What is the slope of the equation?									
	d.	What does the slope represent in the context of the problem?									

e. Define your variables:_____

f. Write an equation to represent the story _____

g. If she saves all of the money in her account for the next four years, how much will she have?

4.	Ri ga	Ricardo is draining his pool for the winter. There are 240 gallons in the pool and it is drains out 60 gallons in 2 hours.									
	a. What is the slope of the equation representing Ricardo draining his pool?										
	 b. What does the slope represent in the context of the problem?										
	e.	How many hours will it take him to drain the pool? On a graph, where do you see this?									
	f.	How many hours has he been draining the pool if there are 150 gallons left?									
	g.	Make a table that fits th	is situation	ion h. Graph			↑ y				
				(Don't forget to label	the axis a	and scale)					
5.	Kr	istina is running the fresh	nman class fundraiser	. They are selling	VHMS	key					
	ch	chains for \$6 each as a fundraiser. The PTA donates \$35 up front.									
	a.	What is the slope?	What does it rej	present in the cont	ext of th	e problem	1?				
	b.	What's the y-intercept? What does it represent in the story?									
	c.	Define your variables _									
	d.	d. Write an equation to represent the story									
	e.	. If her goal is to raise \$500, how many key chains must she sell?									
	f.	If she sells 58 key chain	ns, how much money	will she earn?							
	h.	List at least 3 data points that would fit the situation.	i. Describe how scale for you graph.	v to choose the r axes for your	j.	Graph (la	abel and scale)				
List th 6.	ist the slope and intercepts: 6. $6y = 2x + 9$		7. 20 <i>x</i> +	5y = 5		8. 4 <i>x</i> -	-3y = 12				
Slo	ope:		Slope:			Slope: _					
y-i	nter	rcept:	y-intercept:			y-interc	ept:				
x-i	nter	rcept:	x-intercept:	x-intercept:			x-intercept:				