1 D	"W	ΛD	T \2
	** VV	lук	1)^^

NO WORK, NO CREDIT. PENCIL ONLY.

Name	Dom
Name	Per:

	a.	e amount of money Joe the plumber charges is represented by the equation $C = 65h + 100$. Define the two variables. $h = $ $C = $			
1	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?What does it represent in the story?			
	d.	. If you were to hire Joe and he worked for 11 hours, how much would you owe him?			
e. If Joe said that he made \$620 on a job, how many hours did he work?					
	f.	Complete the table. $ \begin{array}{c c} h & C \\ \hline 0 \\ \hline 2 \\ \hline 3 \\ \hline 11 \\ \end{array} $			
2. Laura lights a candle. The height of the candle is 6 " and each hour that it burns ½".					
	a.	What is the slope of the equation representing the height of the candle?			
1	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 dependent variable:			
	e.	Define your independent variable:			
	f.	What is the x-intercept? What does it represent in the story?			
	g.	How many hours will the candle burn before it is gone?			
	h.	If the height of the candle is 2.75", how long has the candle burned?			
	i.	Make a table that fits this situation. Hours 0			

3. Barbara joins an on-line movie club for \$15. She will pay \$3 for	each movie that she downloads.
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a.	What is the slope of the equation representing the amount of money Barbara will pay?	
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- b. What does the slope represent in the context of the problem?
- c. Define your dependent variable:_____
- d. Define your independent variable:
- e. Write an equation to represent the story

 f. If she downloaded a total of 12 movies, how much would it cost her?

4.	Ricardo is draining his pool for the winter. There are 240 gallons in the pool and it is drains out 60					
	_	llons in 2 hours.		1. 10		
		_	equation representing Ricardo draining	-		
	b.		resent in the context of the problem?			
	c.		variable:			
		•	t variable:			
	e. f.	Write an equation to repr	resent the story	On a growth whom do you see this?		
	1.	How many hours will it take him to drain the pool? On a graph, where do you see this?				
	g.	How many hours has he been draining the pool if there are 150 gallons left?				
	h.	Make a table that fits this	s situation i. Gra	ph [s		
			(Don't forget to label the	he axis and scale)		
	о. с.	b. What's the y-intercept? What does it represent in the story? c. Define your variables and write an equation to represent the story				
	d.	<u> </u>				
	e. If she sells 58 key chains, how much money will she earn?					
	g.		h. Describe how to choose the	i. Graph (label and scale)		
		points that would fit	scale for your axes for your graph.	Y		
		the situation.	grapn.			
				H++		
Solve 1	the	following for "v" and lis	st the slope and y-intercept:	 		
		y = 3x + 1	7. $20x + 5y - 7 = -2$	8. $2x + 3y + 2x = 8$		
	-		·	·		
			Colve	Solve:		
Solve:			Solve:	Slope:		
	_		y-intercept:	y-intercept:		
•		rcept:	x-intercept:	x-intercept:		
X-1	nter	cent:	л шегеери	-		