Name		Pd	Date	Section 2.E.4		
	rm Word Problems					
_		t-air balloon d	luring its linea	ar descent. What equation in slope-		
	gives the balloon's altitu					
·		-		•		
X: Time (s)	Y: Altitude (m)					
10	640					
30	590					
70	490					
90	440					
What does the slope represent?			What doe	s the y-intercept represent?		
2) Vou are an a	2) Vous our out of the collector. Vous decide to start be out to be they treed of course in collection. After					
	2) You are an avid coin collector. You decide to start keeping better track of your coin collection. After					
15 days, you count and find out you have 155 coins. After 22 days, you have a total of 218 coins. a. Write an equation in point-slope form that represents the situation. Define your variables.						
a. Write all equ	ation in point-slope for	in that repress	ents the situat	don. Define your variables.		
b. Convert your equation to slope-intercept form.						
		P				
c. What does your slope represent?						
d. What does the y-intercept represent?						
o After 20 deser	. h	d way have?				
e. After 30 days	s, how many coins woul	d you have?				
f After how ma	ny days would you hav	e 425 coins?				
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3) You figured out you could make \$50 per pool to clean pools during the summer. You did, however, need to purchase some equipment to get started. After cleaning 3 pools, you were still down \$15. a. Write an equation in point-slope form that represents the situation. Define your variables.
b. Convert your equation to slope-intercept form.
c. What does the y-intercept represent?
d. How much money will you have made after cleaning 12 pools?
e. How many pools will you have to clean to make \$1100?