	Name:	Perio	d:	Date: Kl	1_
	Writing Linear Equations Given 2 Points				
	Homework		A Company of the Comp	e e e e e e e e e e e e e e e e e e e	
	1. Biologists found that the number of temperature. When crickets chirp Write the equation of the line.	124 times a min	ute, it's 68°. Whe	n they chirp 172 tim	es it's 80°.
	point (68 degrees,124 chirps)	X19	slope =	y-int ( D,-1	18)
	point (80 degrees, 172 chirps)	168 124 Vi	equation	J=HX-1	18
,	point (68 degrees, 124 chirps)  point (80 degrees, 172 chirps) $y-124=4(x-68)$	`80  17 <b>3</b> / '	78 by 48	=4	
	2. A 5-minute overseas call costs \$5.9	91 and a 10-minu	te call costs \$10.8	6. (5,5,91)	(10, 10, 84)
	Write an equation of the line.	1-5.91=	= ,99(x-5)	. •	8 NA/12
	a. How much does each extra minu $4.95 = 0.99$	te cost? Raf	e!	STAT ED	5.91 >4.95 10.86
	b. How much would a 30-minute ca $y = .99 \times + .96$ $y = .99 (3x) + .96$ $y = .30 \cdot .66$	cost2   \$30	0.66	SMA+ CA HILINKE	YLC
	Find the slope and write the equation f Convert to slope—intercept form.	or the line thro	ugh the given two	points i <u>n point-slope</u>	form.
	m=4=1		m=4		
X	, y 3. (-3, 3) and (1, 7)	4. V N N	(0, 4) and (-4, 5)	L/v-0)]	
41	3,+y[y-7=1(x-1)] 7 y-7= x -1 +7 +7	12 1 5 7 H	y-4====================================	1X +0 1X +0	
	1y=x+6			X+Y	
X	1 m=3=2	,	$m = \frac{\Delta y}{\Delta x} =$		
25/	3, +5: (2,5) and (5,11) y-5=3(x-2) y-5=3x-y +2 (	1.5 6.	(1.5, -4) and $(3.5)$	=6(x-3.5) $=6x-21$ $+8$	
	048	3,50			
	$y = \partial x + 1$		1 4 = 6	$\times -13$	