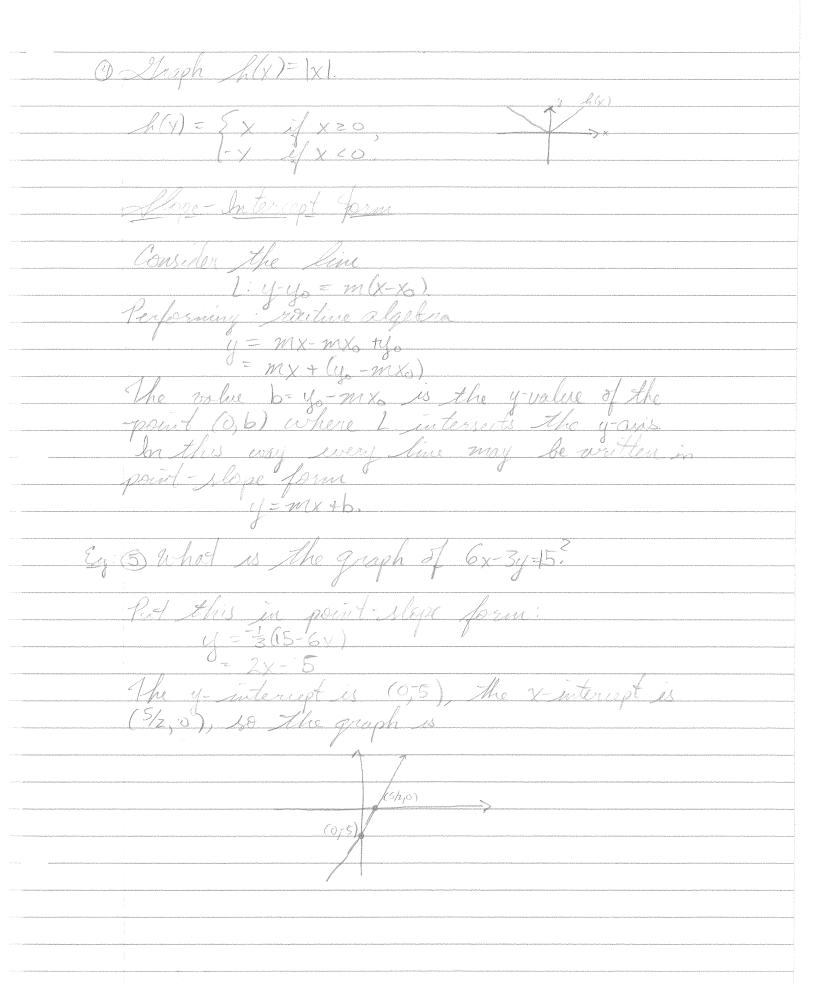
4.2	Lives and Their Equations
Defm.	The slope of a line passing through the
open of period for the second state of the following product as the profession of the second company a special constraint of the second company of the second constraints.	21 = 4 - 4 =
	X-X
<u>Rmk</u>	This is independent of the choice of points on the line
e lago tendena viva a menanda mananda mananda mananda a mananda fi alba dida kan kan dida kan	Point-Slope form
	Hiver a point (x, y) and a slope the line passing through (x, y) with slope in is y-y=m(x-x).
an ann an tha dhuan agus an airin an dhia agus an an an air ann an airin dhe dhe agus at an airin dhe dhe airi In	1248 Lan Hannah (XVI) with stone in it
	$U-U=m(x-x_0)$
ari pata terinang pangang Mainamer pana ani pati tering at a recontractive di mani pati tering di mani pati te	
L. S.	Find the live with slope -1 through (-2,1).
Physical physical control of the second cont	
inkanin kanaganin kanganin kangan	y - 1 = (-1)(x - (-2))
reterment on a returnal and a failure as a recommendation and before the decreases.	= y-1=(-1)(x+2) 10
menoriaminiami, mariniami di	y-1=(1)(x-(-z) = y-1=(1)(x+z). = Find the equation of the line through (2,-5) with place -3:
veriler sekremmen simmellem inkninkninkninkninkninkninklikelikelikelikelikelikelikelike et enemen menemen men	Nope - 5:
entilah undan dan dan dan menengan penjadi penjadi jing satu yan pendahah dan undan pilanji unan sepemba	y'-C-5 = (-3)(x-2)
kani indian saanoopuudiga penggiga pyyydiännyii peng-oonahab manii amuun manasapadiifyara	The state of the s
area de la compania del la compania de la compania del la compania de la compania del la compania de la compania del la co	Find the line through the price with should
ontonoren arrena en anterior de la contra del la contra de la contra de la contra del la contra del la contra de la contra de la contra del la contra del la contra de la contra de la contra del l	Jud the lines through the origin with slopes
e partie getau alkusjalasing laikus kinge erika maka mangkulima ang pilipang erasak terunang menyang seng	34 W 24
akanasi asas ilimat perang kalajagi penaingan spendurung runan mang ng gran penaingan apang	J. J
Observa anna individual de de Sant Character, ar mant de arm a set manor de antica est a moderna anciente a se	
NULL mining contained in the first in the second in contained and the first incided to contain the	
market state of the state of th	
oteration and must provide his before the land the land that he wise to provide a transport or more reliable to	



Defatore say two lines are parallel if they have the same slope.

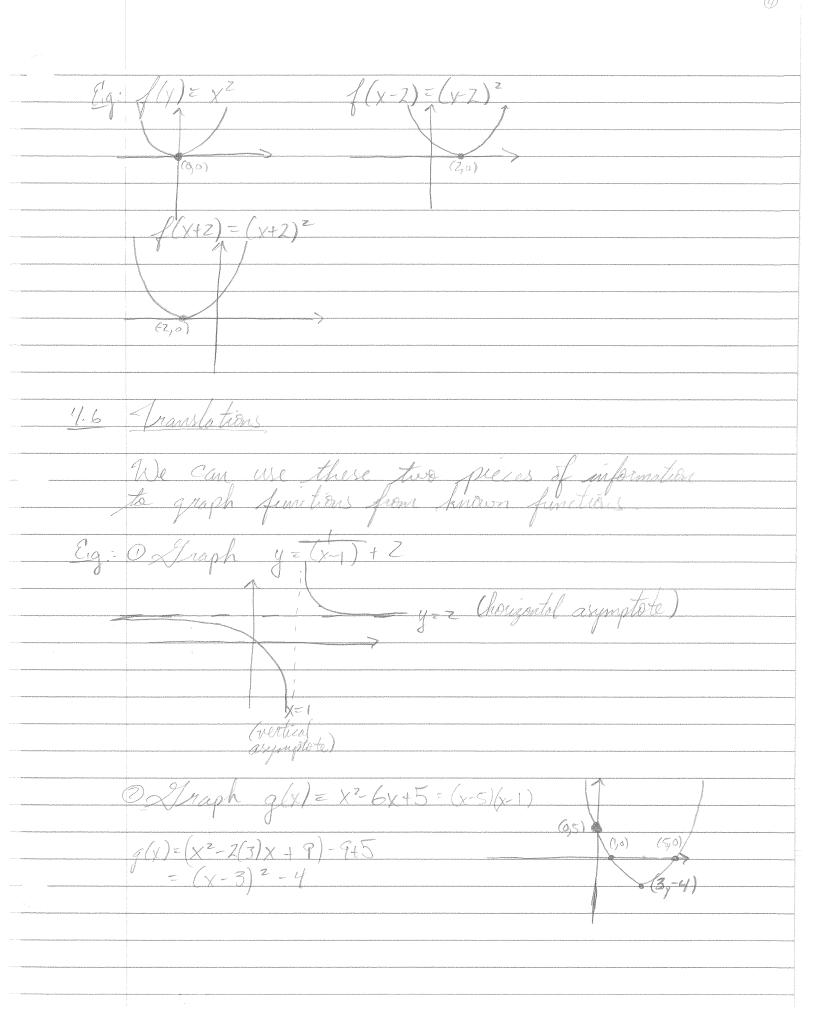
"We say two lines are perpendicularif they have slopes m, and my such that m, m= -1. Eq. 6 find the equation of the line passing through the foint (1,3) parallel to the line 2x+3y=6. $7x+3y=6 \Rightarrow 3y=6-2x \Rightarrow y=2-\frac{3}{3}x$ $8x+3y=6 \Rightarrow 3y=6-2x \Rightarrow y=2-\frac{3}{3}x$ $= y - 3 = \frac{-2}{3}(x - 1)$. 3,-2) and perpendicular to y=6x+4. $m_1 = 6$, want $m_1 m_2 = -1 = 3 m_2 = -1/6$ y - (-2) = -1/6 (x - 3) y + 2 = -1/6 (x - 3). 44 Vertical Shifts If f(x) is a function, the graph of f(x), but f(x) + a, a graph of f(x), but shifted up by a units If a is this is the graph of f(x) whifted down by a units. 4.5 Housental Shif If f(x) is a function, and $a \in \mathbb{R}^{20}$ then

f(x-a) is the same as f(x) but shifted to

the right by a unit. The graph of

f(x+a) is the graph of f(x) shifted left by

a unit.



47	Intersections of Curves and Simultaneers Solutions
Elg.	Ofind the intersection points of the curves y=x²-4 and x+y=8
0	$y = -x + 8$ (sopre intercept) (a) (3,5) $x^{2}-4 = -x + 8$ (-2,0) (2,0) (3,5)
	$= 2 \times^{2} + x - 12 = 0$ $= 2 \times (x + 4)(x - 3) = 0$ $= 2 \times x + x - 12 = 0$ $= 2 \times x + x - 12 = 0$ $= 3 \times x + x - 4$
	Juterses tion points y = -(3) + 8 = 5 => (3,5) y = -(4) + 8 = 4 + 12 = 12 => (-4,12)
	D find the point of antersection of the lines 2x+3y=7 and -3x+y=11
	$\frac{-7_{3}x + 7_{3} = 3x + 11}{-3x + 7_{3} = 3x + 11}$ $= 3x + 7_{3}x = -11 + 7_{3} = -\frac{33}{3} + 7_{3} = -\frac{26}{3}$ $= 3x + \frac{7}{3}x = \frac{11}{3}x = \frac{11}{3}x = -\frac{26}{3}x = -$
	$= \frac{1}{x} = \frac{26}{6}$ $= \frac{26}{10}$
	Point of intersection: y = 3(36) + 11 = -2(26) + 121 = 121-78 = 43/11 (-26, 43/1).