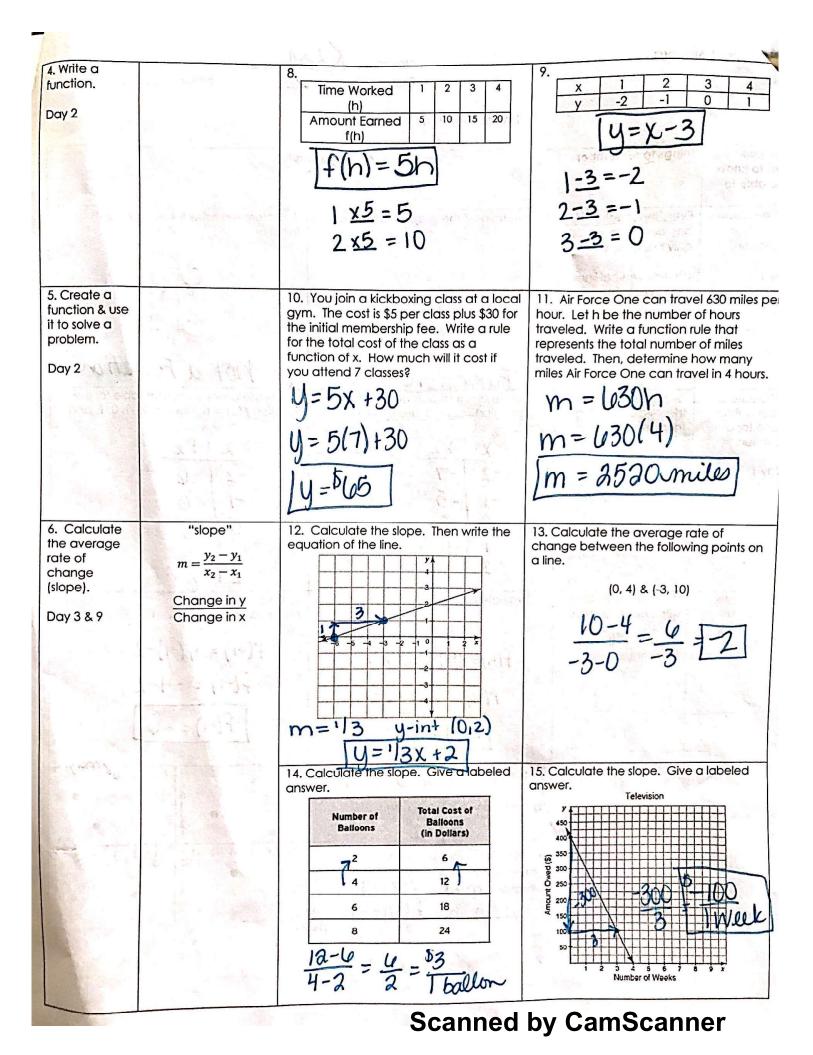
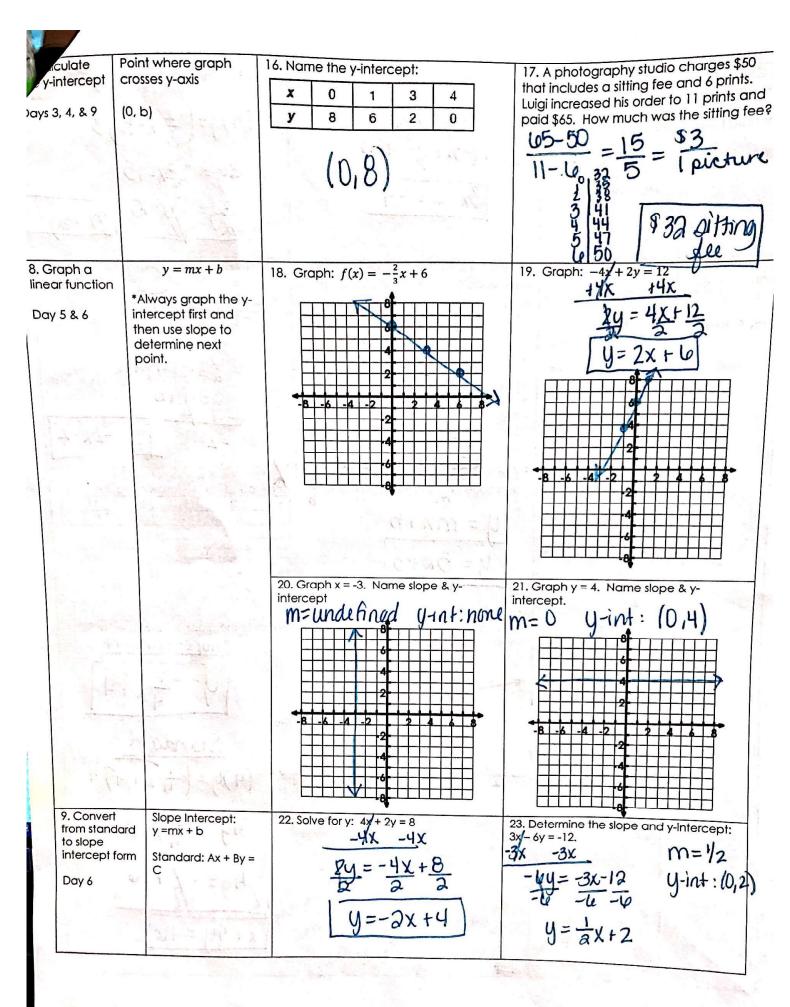
Linear Functions Unit Review

What you need to know & be able to do	Things to remember	Examples	
1. Determine	Every input only has	1. Determine if the graph is a function.	2. Determine if the table represents a
if a relation is	one output (each 'x' only has one 'y')	Anna I Grandan	function.
a function.	only has one y		TX V
Day 1	Use the vertical line		(-1) 4
	test on graphs.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 5
	The state of the s		2 6
	to v p to the	The state of the s	(-1) 7
	name (al. tol serios)		A STATE OF THE STA
			not a Function
1 - 1 30 20, 9 10 10		tunction	
2. Create an	"x-y chart" – choose	3. Create an input-output table for the	4. Create an input-output table for the
input-output table for a	the x-values & plug them in	function $f(x) = 2x - 3$. Use $x = -2, -1, 0, 1,$ and 2.	function $f(x) = 6$. Use $x = -2, -1, 0, 1,$ and 2.
function.		x fx	
		X +L	XIFK
Day 1	all the same	-2 -7	-2 6
1	1.00	-1 -5	
1		0 -3	0 6
	soldreni paktad i	1 -1 ST ST	To the state of th
		2	2 0
	4		216
3. Evaluate	f(x) function notation	5. Evaluate f(4).	6. Find the value of
unctions.	f(2) means you must	$f(x) = x^2 + 3x - 1$	f(x) = 4x - 2 when $x = -1$.
Day 1	substitute a '2' for every 'x' in the		0()() 0
30, 1	function!	f(4) = (4)2 + 3(4)-1	f(-1) = 4(-1)-2
	1	1117- (1) 151.7	(11)
- part 1		P(4) = 16+12-1	f(-1) = -4-2
- 1		117)=10114	
		F(4) = 27	f(-1) = - 10
		r(4) = 21	
			does 4
		7. a. Find $f(5)$. $f(5) = 5$	7 y
			57
36		b. Find the value of x for $f(x) = 2$.	4 4 4
0.0		f(4) = 2	21
- 10		The second secon	-7 -6 -5 -4 -3 -2 -1-1+ 1 2 3
		c. What is the maximum and	2 3 4 5
		minimum? Write in function	• 3+
		notation. max: f(3)=7	-5+
		min: f(-7) = -7	• -7‡
at and it is		n	un





			- T/T - TAIL M.S.
10. Convert	Slope Intercept:	24. Put in standard form:	25. Put in standard form:
from slope	y =mx + b	V = 2v ± 1	y = -2/3x - 5
intercept to	,	21-34	(-21 /-2) 0
standard form	Standard: Ax + By =	-3X PA	$(3)y = (-\frac{2}{3}x - 5)3$
Sidiladia form	С	1 (200) (1/41)	13.
Day 6	(no negative A	$\frac{-3x - 3x}{-1(-3x+y) = 4(-1)}$	
Duy o	values; multiply by -1	J.	34 = - 6x-15
	if necessary)		3y = -6x-15
	ii liccossary)	3x-y=-4	3y = -7x - 15 $2x + 3y$
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		30)= 3/1 13 1 2X +3/1
The state of the state of			+2X 1/2X 1/2X
11. Write the	y = mx + b	26. Write the equation of the line that	27. Write the equation of the line that
equation of a		has a slope of $-\frac{1}{2}$ and contains the point	contains the points (1-2, 2) and (2, -6).
line.	4/1	2	-14-2 -8
		(4,6). U-mx+h	$\frac{-6+2}{2-2} = \frac{-8}{4} = -2$
Day 5, 10, 11		$y=mx+b$ $u=-\frac{1}{2}(4)+b$	2-2 4
Signature of the same of the s		14=-1(4)+0	11-myth
		u 2117	WELLY!
1 100		1- 14	y=mx+b 2=-2(-2)+b
111111		u=-2+b	a - 21
		12 4/2	2=4+6
100			-4-A
		8=10	
		Tu V	-2=b U=-2x-2
		Jy=-1/2× +8	
Name In	and the second	28. Write the equation of the line that	2 Write the equation of the line the
		has a slope of 5 and y-intercept at (0, 3).	corresponds to the following table:
1.1	- Line Line	m	x 2 5 8 11
		y = mx + b	y -6 -4 -2 0
		y - 1/1/4 D	7 1 1 2 1 0
100	4 - 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
To dia Fe		y = 5x + 3	
		9 010 13	The second secon
Q 7.5 t	AND THE PARTY OF THE	to the state of	
4			
	I MY US	20 Maile the equation of the line that	1.1.1.
7	- 4	30. Write the equation of the line that corre the equation of the line in standard form.	
		Ty	Slope-Intercept
		6+	100 100 100 100 100 100 100 100 100 100
K		5	111=-1
	1 - 1		19- TX+41
		4	7 4.
glade and	and a wall to be a figure	3	*
1 1 1		2+	Charadard
		1	Standard
1 - 1			1 / 12 / 1
		-4 -3 -2 -1 1 2 3 4	→ (4)y=(-1 x+4)4
			() (4 ")
			70
a the same	My S. Landert J. S. State		11n 4
		A A	4y = -4x+16.
		AN THE RESERVE OF THE PARTY OF	4
	and of the same		
			4u=-X+16
			+X +X
			Two days are
	A. A.	The state of the state of	1 X+44 = 161
		Control of the Contro	
	a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

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