Name: Date:	Class:	GRADE:
Unit 3: Linear Functions Part 2		
 The graph represents the distance in miles of a to from the thunderstorm given the number of seconds between lightening flash and hearing thunder. Distance of a Thunderstorm d	 following three ways: a) create a table b) create a graph 	= -2x + 3 in the
c) Assuming the graph continues at the same rate, ho far away is a town if the number of seconds is 50?	c) create a visual pattern or lif	e situation that could be
Input 4 -2 3 4 0 5 -7 Output 2 -7 5 2 1 8 -12 a) Does the table represent a function?	Is the graph below a linear function, or not a function?	function, a non-linear
b) How do you know?		
	How do you know?	

Solve: 16 - 5(3m - 4) = 8(-2m + 11)	6 Create a number for each:	
	a) a <u>rational</u> number that lies between 6 and $\sqrt{64}$	
	b) a <u>rational</u> number that repeats	
	c) an <u>irrational</u> number that lies between 0 and 7	
	d) a <u>rational</u> number that terminates	
• A square table has one seat on each side. Square tables are pushed together to make banquet tables,	 Patricia and Marques each have a summer job. The amount of money they have earned so far for each week is shown in the tables. 	
allowing more people to eat.	Patricia Marques	
	week \$ week \$	
a) Complete the table:	2 7 2 8	
number number		
of tables of seats	4 16 4 14 5 22 5 17	
2	5 22 5 17 6 29 6 20	
3	0 20 0 20	
b) Create a graph for the situation.	a) Are either of them earning money at a linear rate? If	
	yes, who?	
	b) Explain your answers from part (a).	
c) Using the slope from the graph, predict the number of		
c) Using the slope from the graph, predict the number of seats if 15 tables are used.		