a) $a_n = a_{n-1} + 6; a_1 = -8$	b) $a_n = 3n - 12$
2. Determine whether each of the follow	ing is a function or a relation.
	c) {(3, 4), (7, 8), (18, -7), (-4, 6), (6, -7), (-9, 3)}
	d) {(5, -2), (5, -5), (5, 8), (5, 7), (5, 9), (5, -13)}
3. Given $f(x) = 2x^2 + 9x^3 - 8x^6$ find:	
a. standard form	_ d. constant
b. degree	e. name by number of terms
c. leading coefficient	
4. Graph the following equation: 5x – 3y	

1. If you are given an explicit notation, convert it to recursive. If you are given a recursive notation, convert it to explicit. Show your work.

Unit 1 – Linear Functions

\*\*Make sure you go back and review ALL material from 1.2 – 1.6 including notes, homework and DeltaMath\*\*

## For this part of the review, make sure you can do the work <u>without</u> using a calculator.



Date \_\_\_\_\_

## You can use a calculator for the rest of the review.

- 5. Find the explicit formula and the 87<sup>th</sup> term for the following sequence: 14.9, 8.6, 2.3, ...
- 6. Dale has opened 142 new accounts as of week one. Starting with week two, he opens 12 new accounts each week. Write an explicit formula and a recursive formula for the situation, and find how many accounts he opened in week 52.



\*\*Make sure you go back and review ALL material from 1.2 – 1.6 including notes, homework and DeltaMath\*\*