Name:		Class:	Date:
Algebra 2		Functions and Inverse Functions Notes	
A and its and funtions.  In general: a takes a starting, performs some operation on this, and creates an answer.  An takes the answer, performs some operation on it, and arrives back at the starting		the inverse goes backwards through the function to undo what was done!	
Definition: Function		Vertical Line Test	Horizontal Line Test
ONE-TO-ONE FUNCTION:  f(x)  Definition: Inverse OF A Function  (it may NOT be a function; it will only be a function if the original		Definition: Inverse Func	tion
function was one-to-one)		t - 1(x)	
There are three ways to find inverses:			
swap ordered pairs: put x's where y's are and y's where x's are		x   1 -1 -2   0   2   3   4   (x)   2   0   3   -1   1   -2   5	
185	J.	f(x) = x - 4	$f(x) = (x + 1)^2 - 3$
solve algebraically	3.		
graph a reflection over y = x (the identity line)	we will do this with desmos.com		es