Name:	Date:	Period:								
3.1.1-3.1.7 NOTES: Graphs, Tables, and Rules										
TABLES, GRAPHS & RULES	There are 4 ways we have be 1) 2) 3) 4)	en interpreting data:								
FUNCTIONS & INPUT/OUTPUT	A function is a values and	that takes d produces exactly one value.								
Independent vs. Dependent Variables	When one quantity (such as tree height) on another (such as years), it is called a <b>VARIABLE.</b> That means its value is determined by the value of another variable. If a quantity, such as time, doe variable, it is referred to as the graphed on the x-axis.	y dependent variable independent variable x es not depend on another <b>VARIABLE</b> , which is								
Types of Graphs	Biscrete Biscrete Biscrete graph 2 4 2 4 2 4 0 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0	(i) 30 30 20 10 2 4 6 Number of Years After Planted								

Example 1 Complete the table by	input ( <i>x</i> ) output ( <i>y</i> )	2	-1 -3	4	-3 -7	0	-2 -5	1	x		
determining the relationship between the input (x) and output (y) values, then write the rule for the relationship.					•	•					
Example 2 Complete the table by determining the relationship between the input (x) values and output (y) values, write	input $(x)$ output $(y)$	4	-3	4	5 10	0	-2	3	-2 -4	-2 x	
	Rule:	1					Î y				
the rule for the relationship, then graph											
the data.											
											$\frac{1}{1}$
Example 3 Complete the table for	input ( <i>x</i> ) output ( <i>y</i> )	-4	-3 -	-2 -	-1 0	1	2	3	4	x	
y = -2x + 1, then graph		I				1	<b>1</b> y				
each of the points in the											
table.											
table.											
table.											
table.											
table.											
table.											
table.											

