What you need to know and be able to do	Things to Remember	Problems	
1. Function Notation	Evaluate: substitute a number for x Evaluate Graphically: f(#) reads as when x=# then y =? f(x)= # reads as when y = # then x = ?	$f(x) = x^{2} + 3x - 5$ $g(x) = 2x^{2} - x + 2$ $h(x) = 3x^{3}$ a. f(2) b. g(-1) c. h(3) Answer the following equations based on $f(x) = 3x^{3}$ $f(x) = $	the graph below: A) $f(-1)$: B) $f(0)$: C) $f(x) = 4 \text{ so } x = ___\$
2. Arithmetic Sequences	Adding or Subtracting to get to the next term $a_n = a_{n-1} + d$ $a_n = a_1 + d(n - 1)$	a. Write the rule for the following sequence and find the 50 th term: 3, 6, 9, 12, 15, 18	 c. Determine the sequence is arithmetic. i. 16, 8, 0, -8, ii. 16, 8, 4, 2, 1, iii. 2, 4, 6, 8,



