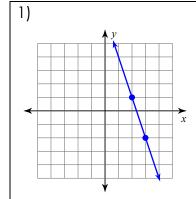
Step 1: Rewrite the graph as a sequence of numbers:

Use the y-coordinates of the graph for when x = 1, 2, and 3 as the numbers for your sequence.

Step two:

Follow steps learned in past lessons to write formulas.



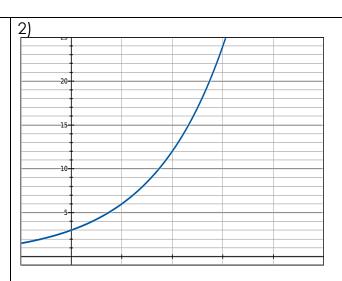
Rewrite: 4, 1, -2,...

Recursive Formula:

$$a_1 = 4 a_{n+1} = a_n + (-3)$$

Explicit Formula:

$$a_n = 7 + 3n$$



Rewrite:

Recursive Formula:

Explicit Formula:

	Explicit	Recursive
Arithmetic	$a_n = a_0 + dn$	$a_1 =$
		$a_{n+1} = a_n + d$
	$a_n = any term$	
	$a_0 = term zero$	
	$d = common \ difference$	
Geometric	$g_n = g_0 \cdot (r)^n$	$g_1 =$
		$g_{n+1} = g_n \cdot r$
	$r = common\ ratio$	