

Complete each column in the table so that all the entries in that column will generate the same sequence.

	A	B	C	D
Sequences		320, 80, 20, 5, ...	20, 30, 40, 50, ...	
Recursive Formula: $g_n = 3(g_{n-1})$ $g_1 = 4$				$g_n = 5(g_{n-1})$ $g_1 = 10$
Explicit Formula				

	2A	2B	2C	2D
Sequences			4, -8, 16, -32, ...	-9, -15, -21, -27, ...
Recursive Formula		$a_n = a_{n-1} + 3$ $a_1 = 11$		
Explicit Formula	$g_n = 3(2)^{n-1}$ $n = 1, 2, 3, \dots$			

	3A	3B	3C	3D
Sequences			-100, 150, -225, 337.5, ...	
Recursive Formula	$g_n = -4(g_{n-1})$ $g_1 = 2$		$a_n = 6 - 2(n-1)$ $n = 1, 2, 3, \dots$	$a_n = a_{n-1} - 4$ $a_1 = 9$
Explicit Formula				

Part 4

	Arithmetic Or Geometric	First Point	Continuous Or Discrete	Increasing Or Decreasing	Linear Or Exponential
1	A				
	B				
	C				
	D				
2	A				
	B				
	C				
	D				
3	A				
	B				
	C				
	D				