Name _____ Date _____

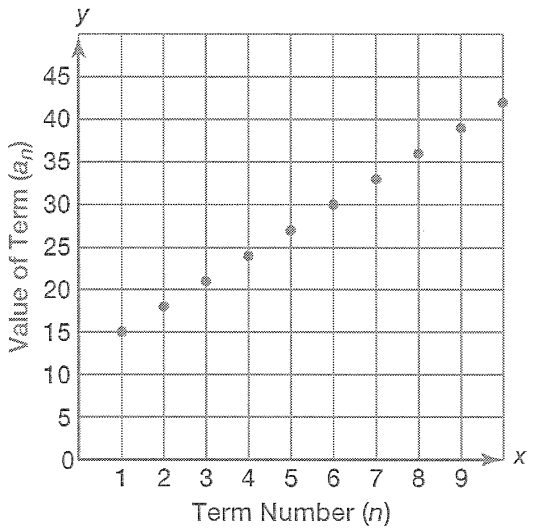
Thank Goodness Descartes Didn't Drink Some Warm Milk!
Graphs of Sequences

Problem Set

Complete the table for each given sequence then graph each sequence on the coordinate plane.

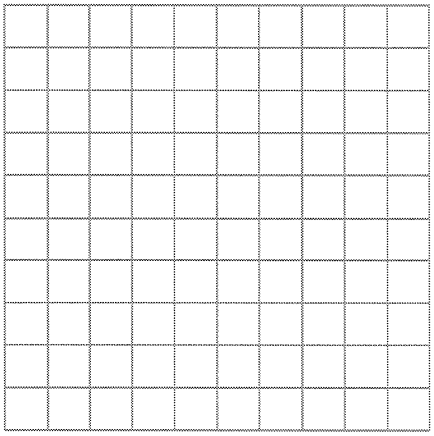
1. $a_n = 15 + 3(n - 1)$

Term Number (n)	Value of Term (a_n)
1	15
2	18
3	21
4	24
5	27
6	30
7	33
8	36
9	39
10	42



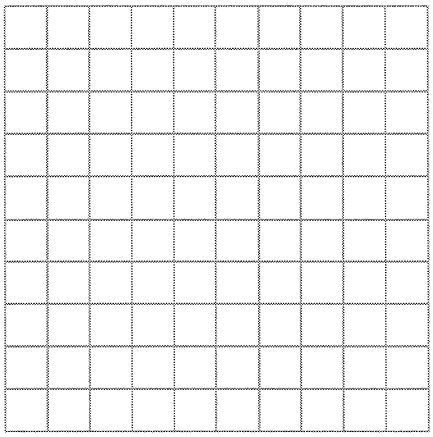
2. $g_n = 3 \cdot 2^{n-1}$

Term Number (n)	Value of Term (g_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



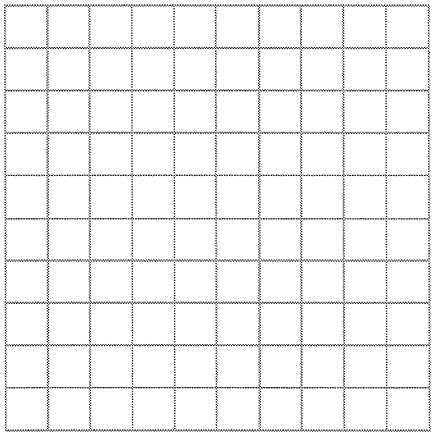
3. $a_n = 50 + (-8)(n - 1)$

Term Number (n)	Value of Term (a_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



4. $g_n = 3 \cdot (-2)^{n-1}$

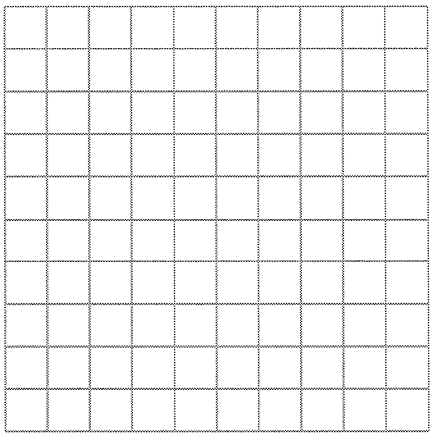
Term Number (n)	Value of Term (g_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



Name _____ Date _____

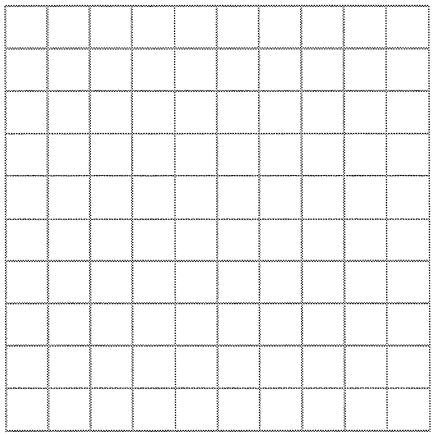
5. $a_n = -24 + 6(n - 1)$

Term Number (n)	Value of Term (a_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



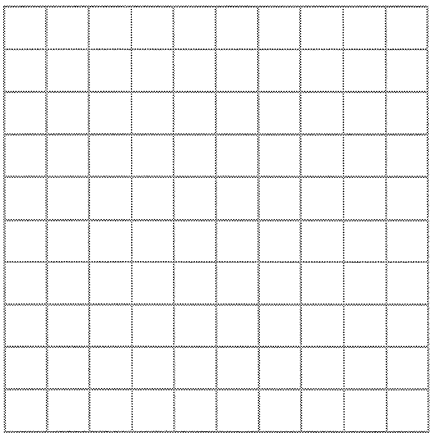
6. $g_n = -1 \cdot 2^{n-1}$

Term Number (n)	Value of Term (g_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



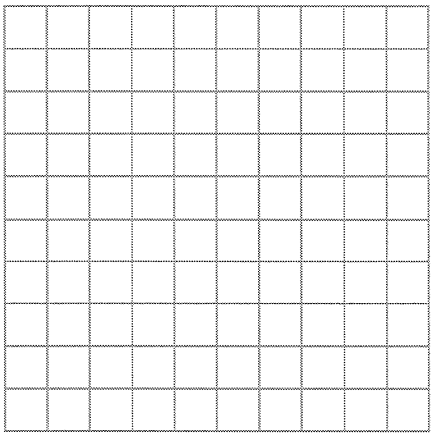
7. $a_n = 75 + 25(n - 1)$

Term Number (n)	Value of Term (a_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



8. $g_n = 32{,}000 \cdot (0.5)^{n-1}$

Term Number (n)	Value of Term (g_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



Name _____ Date _____

9. $a_n = 400 + (-80)(n - 1)$

Term Number (n)	Value of Term (a_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

10. $g_n = 2 \cdot (-3)^{n-1}$

Term Number (n)	Value of Term (g_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	