Name

Patterning - Rule from Equation for Increasing Arithmetic Pattern

1 Find the rule that describes this pattern equation

$$a_n = 2 + 3(n-1)$$

A Start at 2 and multiply by 3 for each term	B Start at 6 and add 3 for
C Start at -2 and add 3 for	D Start at 1 and add 3 for
E Start at 2 and add -1 for	F Start at 2 and add 3 for

2 Find the rule that describes this pattern equation

$$a_n = 2 + 5(n-1)$$

A Start at 6 and add 5 for	B Start at 2 and subtract 5
C Start at 2 and add 5 for	D Start at 2 and multiply by 5 for each term
E Start at 2 and add 4 for	F Start at 2 and add 7 for

3 Find the rule that describes this pattern equation

$$a_n = 3 + 6(n-1)$$

A Start at 3 and subtract 6	B Start at 3 and add 2 for
C Start at -1 and add 6 for	D Start with 3 and 9. Add the prior two terms for each
E Start at 3 and add 6 for	F Start at 3 and multiply by 6 for each term

4 Find the rule that describes this pattern equation

$$a_n = 1 + 2(n-1)$$

A Start at 1 and subtract 2	B Start at 1 and add 0 for
C Start at 1 and add 2 for	D Start at 1 and add 5 for
E Start at 1 and multiply by 2 for each term	F Start at 1 and add 4 for

5 Find the rule that describes this pattern equation

$$a_n = 1 + 5(n-1)$$

A Start at 1 and add 5 for	B Start at 4 and add 5 for
C Start at 1 and multiply by 5 for each term	D Start at -1 and add 5 for
E Start at 1 and add 9 for	F Start with 1 and 6. Add the prior two terms for each

6 Find the rule that describes this pattern equation

$$a_n = 2 + 6(n-1)$$

A Start at 2 and subtract 6	B Start at 5 and add 6 for
C Start at 2 and add 6 for	D Start at 2 and add 2 for
E Start at 1 and add 6 for	F Start with 2 and 8. Add the prior two terms for each

7 Find the rule that describes this pattern equation

$$a_n = 2 + 2(n-1)$$

A Start at 4 and add 2 for	B Start at 2 and subtract 2
C Start with 2 and 4. Add the prior two terms for each	D Start at 0 and add 2 for
E Start at 2 and multiply by 2 for each term	F Start at 2 and add 2 for

8 Find the rule that describes this pattern equation

$$a_n = 1 + 6(n-1)$$

A Start at 1 and add 10 for	B Start at 1 and add 4 for
C Start at 1 and add 2 for	D Start at 1 and multiply by 6 for each term
E Start at 1 and add 6 for	F Start at -1 and add 6 for