Name

Patterning - Equation for Decreasing Arithmetic Pattern

1 Find the correct equation to describe this decreasing pattern where n=1 is the first term

23, 18, 13, 8

A $a_n = 23 - 8(n-1)$

B $a_n = 23 - 5(n-1)$

C $a_n = 23 + 5(n-1)$

D $a_n = a_{n-2} + a_{n-1}$

E $a_n = 23 \times 5^{n-1}$

F $a_n = 23 - 5(n)$

2 Find the correct equation to describe this decreasing pattern where n=1 is the first term

13, 10, 7, 4

A $a_n = a_{n-2} + a_{n-1}$

B $a_n = 13 - 1(n-1)$

C $a_n = 13 + 3(n-1)$

D $a_n = 13 - 3(n-1)$

E $a_n = 13 - 3(n)$

F $a_n = 13 - 0(n-1)$

3 Find the correct equation to describe this decreasing pattern where n=1 is the first term

28, 23, 18, 13, 8

A $a_n = 28 - 5(n-1)$

B $a_n = 26 - 5(n-1)$

C $a_n = a_{n-2} + a_{n-1}$

D $a_n = 28 - 5(n)$

E $a_n = 28 - 8(n-1)$

F $a_n = 28 - 2(n-1)$

4 Find the correct equation to describe this decreasing pattern where n=1 is the first term

11, 9, 7, 5

A $a_n = 11 - 2(n-1)$

B $a_n = 11 - 3(n-1)$

C $a_n = 11 + 2(n-1)$

D $a_n = 11 - 1(n-1)$

E $a_n = 11 - 2(n)$

F $a_n = 11 - 0(n-1)$

5 Find the correct equation to describe this decreasing pattern where n=1 is the first term

16, 13, 10, 7, 4

A $a_n = 16 - 3(n)$

B $a_n = 16 + 3(n-1)$

C $a_n = 16 - 3(n-1)$

D $a_n = 16 \times 3^{n-1}$

E $a_n = a_{n-2} + a_{n-1}$

F $a_n = 16 - 4(n-1)$

6 Find the correct equation to describe this decreasing pattern where n=1 is the first term

27, 21, 15, 9

A $a_n = 27 - 6(n)$

B $a_n = 28 - 6(n-1)$

C $a_n = 27 \times 6^{n-1}$

D $a_n = 27 - 6(n-1)$

E $a_n = 27 + 6(n-1)$

F $a_n = 27 - 7(n-1)$

7 Find the correct equation to describe this decreasing pattern where n=1 is the first term

32, 26, 20, 14, 8

A $a_n = 32 - 6(n-1)$

B $a_n = a_{n-2} + a_{n-1}$

C $a_n = 32 \times 6^{n-1}$

D $a_n = 32 - 6(n)$

E $a_n = 32 - 9(n-1)$

F $a_n = 29 - 6(n-1)$

8 Find the correct equation to describe this decreasing pattern where n=1 is the first term

11, 9, 7, 5, 3

A $a_n = 9 - 2(n-1)$

B $a_n = 11 - -2(n-1)$

C $a_n = 11 \times 2^{n-1}$

D $a_n = a_{n-2} + a_{n-1}$

E $a_n = 11 - 2(n)$

F $a_n = 11 - 2(n-1)$