

Find the three terms in the sequence after the last one given. Write the formula $a_n = a_{n-1} + d$

13) $-13, -19, -25, -31, \dots$

14) $-1, -101, -201, -301, \dots$

15) $-26, -126, -226, -326, \dots$

16) $31, 21, 11, 1, \dots$

Find the 52nd term. Find a strategy !!

17) $-38, -45, -52, -59, \dots$

18) $19, 25, 31, 37, \dots$

Find the term named in the problem. Find a strategy !!

19) $-6, -2, 2, 6, \dots$
Find a_{39}

20) $7, -3, -13, -23, \dots$
Find a_{39}

Find the explicit formula.

~~21) $-18, 182, 382, 582, \dots$~~

~~22) $38, 138, 238, 338, \dots$~~

Find the recursive formula. $a_n = a_{n-1} + d$

23) $26, 24, 22, 20, \dots$

24) $-30, -34, -38, -42, \dots$

Arithmetic Sequences

Date _____ Period _____

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State if each sequence is arithmetic. If it is, write the symbolic recursive formula $a_n = a_{n-1} + d$

1) 36, 32, 28, 24, ...

2) 36, 40, 44, 48, ...

3) 36, -64, -164, -264, ...

4) 0, -10, -20, -30, ...

5) -37, -28, -19, -10, ...

6) -37, -137, -237, -337, ...

Find the common difference. Write the recursive formula $a_n = a_{n-1} + d$

7) 21, 41, 61, 81, ...

8) -3, -23, -43, -63, ...

9) -15, -7, 1, 9, ...

10) -40, -240, -440, -640, ...

11) -28, -26, -24, -22, ...

12) 16, -84, -184, -284, ...