NAME _____ QUARTER 1

GRADE & SECTION _____ DATE _____

Activity: Arithmetic Sequence

Part I: Arithmetic Sequence or Not?

If the given is an Arithmetic Sequence,
choose YES then give the common difference (d),
If Not, choose NO then write NA on the common difference (d).

	Arithmetic Sequence?	common difference (d)
1) $-8,\ 92,\ 192,\ 292, \ldots$		
2) $1,\ 9,\ 25,\ 49, \ldots$		
3) $192,\ 1928,\ 19288,\ 192888, \ldots$		
4) $8,\ 3,\ -2,\ -7, \ldots$		
5) $-21,\ 9,\ 39,\ 69, \ldots$		

Part II: Finding the nth term

Complete the information needed to solve the indicated nth term.
Recall that : $a_n = a_1 + (n-1)d$

1) What is the 27th term in the arithmetic sequence:

$$-21,\ -23,\ -25,\ -27,\ \ldots$$

$n =$ ____ $a_1 =$ ____ $d =$ ____

Final answer:
The ___th term is ____ .

2) Find a_{36} in the arithmetic sequence:

$$-4, -1, 2, 5, \ldots$$

$n =$ ____ $a_1 =$ ____ $d =$ ____

Final answer:
The ___th term is ____ .

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LIVEWORKSHEETS