

Name : _____

Arithmetic Sequence - Unknowns

Sheet 4

- 1) If $-3v - 1, -v - 5, v - 9, 3v - 13, 4v - 3, \dots$ forms an arithmetic sequence and the 14th term is 269, determine the value of v .
- _____

- 2) If the thirty-eighth term of an arithmetic progression is $d + 7$, d , $d - 7$, $d - 14, \dots$ is -25 .
- _____

- 3) If $h + 1, 3h + 11, \dots$ forms an arithmetic progression and the 11th term is 101 .
- _____

- 4) An arithmetic progression is formed by $m, m + 1, m + 2, \dots$. If the 15th term is $\frac{34}{5}$, find m .
- _____

- 5) An arithmetic sequence is formed by $n, 2n, 3n, 4n, 5n, \dots$. Find n , if the 21st term is -231 .
- _____

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