

Name : \_\_\_\_\_

Score : \_\_\_\_\_

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Date : \_\_\_\_\_

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### Arithmetic Sequences

Determine whether each sequence is arithmetic. If so, find the common difference.

1) 15.2, 8.5, 1.8, -4.9 ...

2) 8.4, 16.1, 23.8, 31.5 ...

3) 5.1, -0.8, -6.7, -12.6 ...

4) 14.3, 20.3, 26.3, 32.3 ...

Find the first four terms and stated term given the arithmetic sequence, with  $a_1$  as the 1<sup>st</sup> term.

5)  $a_n = 25.5 - 6.8n$ ,  $a_{10}$

6)  $a_n = 25 - 10n$ ,  $a_8$

7)  $a_n = 11 + 9n$ ,  $a_6$

8)  $a_n = 65 - 35n$ ,  $a_9$

Given the first term and common difference, find the first four terms and the formula.

9)  $a_1 = 25$ ,  $d = 100$

10)  $a_1 = 5$ ,  $d = 5$

11)  $a_1 = 24$ ,  $d = -15$

12)  $a_1 = 9$ ,  $d = -50$

# Practice B Arithmetic Sequences And Series

**Princeton Review, Jonathan Spaihts**



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