

Name : _____

Find the AP

L2S1

- 1) If 6 times the 6th term of an arithmetic progression is equal to 9 times the 9th term, find the 15th term.

- 2) Find the 34th term of the arithmetic sequence whose third term is -10 and the twenty-third term is 50.

- 3) The fifth term of an arithmetic progression is 18 and the 28th term is -48. Find the 14th term.

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is $\frac{43}{6}$. Find the

- 4) Determine the 10th term of an arithmetic progression whose first term is -21 and fourth term is 9.

whose twelfth term

- 5) The 10th and 20th terms of an arithmetic progression are -14.7 and -39.7 respectively, find the twenty-fifth term.

Find the AP

- 1) If 6 times the 6th term of an arithmetic progression is equal to 9 times the 9th term, find the 15th term.

15th term is 0

- 2) Find the 34th term of the arithmetic sequence whose third term is -10 and the twenty-third term is 50 .

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16th term is 23

- 3) The fifth term of an arithmetic progression is $\frac{43}{6}$. Find the 28th term.

is $\frac{43}{6}$. Find the

- 4) Determine the 16th term of an arithmetic progression whose first term is -21 and fourth term is 23 .

whose twelfth term

- 5) The 10th and 20th terms of an arithmetic progression are -14.7 and -39.7 respectively, find the twenty-fifth term.

25th term is -52.2

Name : _____

L2S2

Find the AP

- 1) The 2nd and 14th terms of an arithmetic progression are $\sqrt{6}$ and $49\sqrt{6}$ respectively, find the twentieth term.

- 2) Determine the third term of an arithmetic progression whose eighteenth term is 150.5 and seventh term is 54.8.

- 3) Find the 36th term of an arithmetic progression whose fifth term is 95 and the fifteenth term is $-\frac{19}{6}$.

- 4) The sixteenth term of an arithmetic progression is 95 and the eighth term is $-\frac{19}{6}$. Find the 8th term.

- 5) If the fifth term of the sequence is -13 and the twenty-third term is -49 , find the 40th term.

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Find the AP

- 1) The 2nd and 14th terms of an arithmetic progression are $\sqrt{6}$ and $49\sqrt{6}$ respectively, find the twentieth term.

20th term is $73\sqrt{6}$

- 2) Determine the third term of an arithmetic progression whose eighteenth term is 150.5 and seventh term is 54.8.

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- 3) Find the 36th term of an arithmetic progression whose fifth term is 95 and the fifteenth term is 35.

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- 4) The sixteenth term of an arithmetic progression is 35 and the eighth term is $-\frac{19}{6}$. Find the 8th term.

8th term is $-\frac{19}{6}$

- 5) If the fifth term of the sequence is -13 and the twenty-third term is -49 , find the 40th term.

40th term is -83

Name : _____

L2S3

Find the AP

- 1) Find the 29th term of the arithmetic sequence whose third term is -92 and the thirty-fifth term is 132 .

- 2) The fifteenth term of the sequence is $\frac{27}{10}$ and the twenty-second term is $\frac{89}{20}$. Find the 38th term.

- 3) If the n^{th} term of the arithmetic progression is $5n - 2$, find the value of n such that the n^{th} term of the sequence is 10 .

- 4) The 30th and 21st terms of an arithmetic progression are 10 and 79.5 respectively, find the thirty-fifth term.

- 5) Determine the fortieth term of an arithmetic progression whose second term is -59 and seventeenth term is -179 .

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Find the AP

- 1) Find the 29th term of the arithmetic sequence whose third term is -92 and the thirty-fifth term is 132 .

29th term is 90

- 2) The fifteenth term of the sequence is $\frac{27}{10}$ and the twenty-second term is $\frac{89}{20}$. Find the 38th term.

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34th term is 96.4

- 3) If the n^{th} term of the arithmetic progression is $2n - 1$ and the m^{th} term is $2m - 1$, find the value of n if the sum of the first n terms is 100 .
- 4) The 30th and 21st terms of an arithmetic progression are 10 and 79.5 respectively, find the thirty-fifth term.

- 5) Determine the fortieth term of an arithmetic progression whose second term is -59 and seventeenth term is -179 .

40th term is -363

Name : _____

Find the AP

L2S4

- 1) Determine the thirty-fifth term of an arithmetic progression whose nineteenth term is $\frac{54}{5}$ and twenty-eighth term is $\frac{78}{5}$.

- 2) If the fourth term of the sequence is $-\sqrt{2}$ and the thirty-first term is $-82\sqrt{2}$, find the 26th term.

- 3) The 25th and 18th terms of an arithmetic progression are 35 and 64.3 respectively, find the tenth term.

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and 64.3 respectively,

- 4) Find the 17th term of an arithmetic progression whose tenth term is -1 and

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term is -79 and the

- 5) The eleventh term of the sequence is 78 and the twenty-fourth term is 143, Find the 42nd term.

Find the AP

- 1) Determine the thirty-fifth term of an arithmetic progression whose nineteenth term is $\frac{54}{5}$ and twenty-eighth term is $\frac{78}{5}$.

35th term is $\frac{58}{3}$

- 2) If the fourth term of the sequence is $-\sqrt{2}$ and the thirty-first term is $-82\sqrt{2}$, find the 26th term.

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- 3) The 25th and 18th terms of an arithmetic progression are 35 and 64.3 respectively, find the tenth term.

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and 64.3 respectively,

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- 4) Find the 17th term of an arithmetic progression whose tenth term is -124 and the 26th term is -356 .

term is -79 and the

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17th term is -124

- 5) The eleventh term of the sequence is 78 and the twenty-fourth term is 143, Find the 42nd term.

42nd term is 233

Name : _____

Find the AP

L2S5

- 1) The second term of the sequence is -6 and the nineteenth term is 215 , Find the 23rd term.

- 2) The 6th and 14th terms of an arithmetic progression are 101 and -179 respectively, find the thirtieth term.

- 3) Determine the _____ term is 98.7 and _____ whose thirteenth

- 4) If the eighth term _____ find the 27th term _____ nth term is $57\sqrt{7}$,

- 5) Find the 7th term of the arithmetic sequence whose twentieth term is $\frac{223}{6}$ and the twenty-second term is $\frac{81}{2}$.

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Find the AP

- 1) The second term of the sequence is -6 and the nineteenth term is 215 , Find the 23rd term.

23rd term is 267

- 2) The 6th and 14th terms of an arithmetic progression are 101 and -179 respectively, find the thirtieth term.

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- 3) Determine the term whose thirteenth term is 98.7 and

- 4) If the eighth term of an arithmetic progression whose thirteenth term is $57\sqrt{7}$, find the 27th term

27th term is $47\sqrt{7}$

- 5) Find the 7th term of the arithmetic sequence whose twentieth term is $\frac{223}{6}$ and the twenty-second term is $\frac{81}{2}$.

7th term is $\frac{31}{2}$
