

<p>1. Find the next four terms in the arithmetic sequence. Write the <u>recursive formula</u>.</p> <p>3, 10, 23, ...</p>	<p>2. Find the next four terms in the arithmetic sequence. Write the <u>recursive formula</u>.</p> <p>12, 63, 54, ...</p>	<p>3. Find the first four terms in the arithmetic sequence. Write the <u>recursive formula</u>.</p> <p>$a_1 = 7$ $d = -2$</p>
<p>4. Find the first four terms in the arithmetic sequence. Write the <u>recursive formula</u>.</p> <p>$a_1 = 15$ $d = 15$</p>	<p>5. Find the indicated term of the arithmetic sequence.</p> <p>$a_1 = 6$ $d = -4$ $n = 29$</p>	<p>6. Find the indicated term of the arithmetic sequence.</p> <p>$a_1 = -19$ $d = 2$ $n = 33$</p>
<p>7. Find the common difference, SIMPLIFIED explicit formula, and the 25th term in the sequence.</p> <p>-9, 21, 51, 81, ...</p>	<p>8. Find the common difference, SIMPLIFIED explicit formula, and the 22th term in the sequence.</p> <p>11, 211, 411, 611, ...</p>	<p>9. Find the sum for the arithmetic series.</p> <p>$a_1 = 1$ $a_n = 83$ $n = 4$</p>
<p>10. Find the sum for the arithmetic series.</p> <p>$a_1 = 48$ $a_n = -22$ $n = 16$</p>	<p>11. Find the sum for the arithmetic series.</p> <p>$a_1 = -61$ $n = 5$ $d = 5$</p>	<p>12. Find the sum for the arithmetic series.</p> <p>$a_1 = 32$ $n = 17$ $d = -2$</p>
<p>13. Find the sum for the arithmetic series.</p> <p>$5 + 9 + 13 + 17 + \dots + 61$</p>	<p>14. Find the sum for the arithmetic series.</p> <p>$-18 - 16 - 14 - \dots + 0$</p>	<p>15. Find the summation.</p> $\sum_{k=1}^{16} 555 - 11k$

16. Find the summation.

$$\sum_{k=1}^{10} -3k + 8$$

17. Find the summation.

$$\sum_{k=4}^{18} 5k$$

18. Find the summation.

$$\sum_{k=6}^{22} 2k + 10$$

19. Find two arithmetic means between 13 and 25.

20. Find three arithmetic means between 9 and 37.

21. Given $a_4 = -2$ and $d = 3$, find the a_{77} of the arithmetic sequence.

Hint Find a_1 first

22. Given $a_{52} = 97$ and $d = -8$, find the a_{13} of the arithmetic sequence.

Hint Find a_1 first

23. How much would it cost to rent a boat for 12 months?

Month	Rent
1	200
2	350
3	500
4	650

24. Chairs for the Wando High School Graduation Ceremony are positioned in curve form with the speaker in the center. Use the chart to determine the number of chairs in the 14th row.

Row	Chairs
1	18
2	23
3	28
4	33

25. Determine the number of terms in the arithmetic series.

$$a_1 = -55 \quad a_n = 1000 \quad S_n = 10,395$$

26. Determine the number of terms in the arithmetic series.

$$a_1 = 693 \quad a_n = -42 \quad S_n = 16,926$$

27. Macklemore charges the following prices per hour to perform at prom. How much would he charge Wando to perform at prom for the whole time? (Prom was from 7:00-11:00)

Hour	Price
1	\$20,000
2	\$15,000
3	\$10,000