

Write the explicit equation for each arithmetic series below.

1. 6, 9, 12, 15...	2. 10, 100, 190, 280...	3. 12, 11, 10, 9...
4. 4, 1, -2, -5...	5. 4, 4.5, 5, 5.5...	6. 10, 8, 6, 4,
7. $a_1 = 3$ and $d = 7$	8. $a_1 = 20$ and $d = -9$	9. $a_2 = 24$ and $d = 6$
10. $a_3 = 14$ and $d = 2$	11. $a_6 = 11$ and $d = -4$	12. $a_9 = 15$ and $d = 5$
13. $a_6 = 15$ and $a_8 = 19$	14. $a_{12} = 5$ and $a_{14} = -3$	15. $a_1 = \frac{1}{2}$ and $a_3 = \frac{3}{2}$

16. Find a_{20} in # 1

17. Find a_{38} in # 2

18. Find a_1 in #11.

19. Given $a_n = 3n - 1$. Find: $d =$ _____. $a_1 =$ _____ $a_9 =$ _____

20. Write the first 5 terms of the sequence $a_n = 9n + 5$

Given Sequence Information	Rule	Additional Request
1. 6, 7, 8, 9....	$a_n =$	$a_{20} =$
2. 12, 10, 8, 6....	$a_n =$	$d =$
3. 2, 12, 22, 32...	$a_n =$	$a_{50} =$
4. $a_2 = 5$ $d = 2$	$a_n =$	$a_{12} =$
5. $a_1 = 500$ $d = 20$	$a_n =$	$a_2 =$
6. $a_2 = 12$ $a_6 = 32$	$a_n =$	$d =$
7. $a_{10} = 30$ $a_{12} = 26$	$a_n =$	$d =$
8. $a_4 = -10$ $a_8 = -8$	$a_n =$	$a_2 =$