Name:	Date:
Write the <u>explicit rule</u> for each arithmetic sequence 1. 10, 15, 20, 25,	e. Show your checked work: 29, -2, 5, 12, 19,
3. 23, 20, 17, 14,	4. 8, 6.5, 5, 3.5, 2,
Find the nth term for each arithmetic sequence: 5. a1 = -5, d = 4, n = 9	6. a ₁ = 13, d = -5/2, n = 29
Complete each statement:	
7. 97 is theth term of: -3, 1, 5, 9	810 is theth term of: 14, 12.5, 11, 9.5
Write the formula for the sequence that represe	ents the following scenarios:

 9. After making his first deposit, Paul has \$758 in his checking account. The next month, the balance is \$836. The balance after the third month is \$914.

d = _____

a¹ = _____

Formula:

10. The table shows the number of people at a school who caught the flu each month after the flu shot was given:

Month	1	2	3	4	5
# of People	30	25	20	15	10

d = _____

a¹ = _____

Formula:	

Find the indicated term(s) in each arithmetic sequence:

11. a ₁₅ for -3, 3, 9,	12. Find the 38 th term of 103, 99, 95,
13. Find the 43 rd term of -124, -122, -120,	14. The first term is 6 and the common difference is -4. Find the next 3 terms.

15. Graph: $a_n = 3n + 4$

16. Graph: 6, 2, -2,



