

Algebra 2
Sequences Review

Name: _____
Period: _____

Write the first 5 terms of the sequence.

1. $u_n = 4 + 3(n-1)$ 2. $u_n = 5(2)^{n-1}$ 3. $u_n = 1 - \frac{3}{2}n$ 4. $u_n = 81\left(\frac{2}{3}\right)^{n-1}$

Write the explicit formula for the sequence.

5. 20, 18, 16, 14, ... 6. -32, -47, -62, -77, ... 7. 3, 9, 27, 81, ... 8. -95, -89, -83, -77, ...
9. $3, 1, \frac{1}{3}, \frac{1}{9}, \dots$ 10. 5, 4.7, 4.4, 4.1, ... 11. 2, 0.2, 0.02, 0.002, ... 12. 1000, 600, 360, 216, ...

Write an explicit formula if each sequence is a. arithmetic and b. geometric

13. 2, 12, ... 14. 56, 14, ... 15. -6, -9, ...

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