Algebra 2B Practice 11.3A Name_____HR__

Is the sequence geometric? If so, find the common ratio and the nest two terms.

1. 1, 2, 4, 8, …

2. 1, 2, 3, 4, …

3. 1, -2, 4, -8, …

4. -1, 1, -1, 1, …

5. 10, 4, 1.6, 0.64, …

6. 7, 0.7, 0.07, 0.007, …

7. $18, -6, 2, -\frac{2}{3}, \ldots$

8. 2, -20, 50, -250, …

Write the explicit formula and find the 5^{th} term.

9. $a_1 = 5, r = -3$

10. $a_1 = .0237, r = 10$

Write explicit formula and find the 6^{th} term.

11. $a_1 = 1, r = 0.5$

12. $a_1 = 100, r = -20$

13. $a_1 = 7, r = 1$

Write the explicit formula and find the 7^{th} term.

14. $a_1 = 4, r = 0.1$

15. $a_1 = 1, r = 5$