Find the explicit rule for a given geometric sequence.

1. $4,\ 8,\ 16,\ 32, \ldots$

2. $-1,\ -6,\ -36,\ -216, \ldots$

3. $-3,\ 6,\ -12,\ 24, \ldots$

4. $-1,\ 2,\ -4,\ 8, \ldots$

5. $2,\ -8,\ 32,\ -128, \ldots$

6. $3,\ 15,\ 75,\ 375, \ldots$

7. $-4,\ -8,\ -16,\ -32, \ldots$

8. $1,\ 4,\ 16,\ 64, \ldots$

9. $1,\ 3,\ 9,\ 27, \ldots$

10. $1,\ -4,\ 16,\ -64, \ldots$

11. $-2,\ -10,\ -50,\ -250, \ldots$

12. $2,\ -12,\ 72,\ -432, \ldots$

13. $-4,\ -20,\ -100,\ -500, \ldots$

14. $-2,\ -12,\ -72,\ -432, \ldots$

15. $3,\ 9,\ 27,\ 81, \ldots$

16. $-2,\ 10,\ -50,\ 250, \ldots$