

Find the next two terms of each geometric sequence.

1. 4, 16, 64, ... 2. 81, 27, 9, ... 3. 24, 16, $\frac{32}{3}$,

Find the first five terms of each geometric sequence described.

4. $a_1 = 3, r = -2$ 5. $a_1 = \frac{2}{3}, r = -\frac{1}{3}$ 6. $a_1 = \frac{5}{7}, r = 7$

Find the n th term of each geometric sequence.

7. $a_1 = 6, r = \frac{2}{3}, n = 8$ 8. $a_1 = 16, r = -3, n = 8$ 9. $a_6 = 3, r = 2, n = 2$

Complete each statement.

10. 354,294 is the _____th term of 2, 6, 18,
11. .0625 is the _____th term of 8, 4, 2,

Find the geometric means in each sequence.

12. 1, _____, _____, -27
13. 6, _____, _____, _____, 384
14. _____, _____, 6, _____, $\frac{27}{2}$
15. $\frac{1}{9}$, _____, 1, _____, _____