**U5 Day 9 Homework Geometric Sequences and Series**

**Given the explicit formula for a geometric sequence, find the first five terms and the 8th term.**

**Given the recursive formula for a geometric sequence, find the common ratio, the first five terms and the explicit formula**



**Find the partial sum of the geometric sequence that satisfies the given conditions.**



**Determine whether each infinite geometric series converges. If it converges, find the sum.**