Sum of Terms of Geometric Sequence

Find the last term and the sum of each geometric sequence

just enter the numbers without spaces or comma (,)

1. 2, 6, 18, 54, 162,… to 12th term

$a_n =$ _____ $S_n =$ _____

2. 5, 10, 20, … to 15th term

$a_n =$ _____ $S_n =$ _____

3. 3, 9, 27, … to 11th term

$a_n =$ _____ $S_n =$ _____

4. -8, 16, -32, … to 8th term

$a_n =$ _____ $S_n =$ _____

5. -4, -12, -36, … to 10th term

$a_n =$ _____ $S_n =$ _____