1. State whether each sequence is arithmetic, geometric, or neither.

a) 5, 2, -1, -4
b) 3, -6, 12, -24
c) 2, 6, 12, 20

2. Determine the number of terms in the sequence

a) 2, 6, 18, ..., 1458 b) -2, -5, -8, ..., -125

3. Determine t_n for each of the sequences

a) arithmetic sequence with $t_{13}=14$ and $t_{24}=119$

b) geometric sequence with $t_5=162$ and $t_{10}=39366$