







Tell whether each sequence is arithmetic or geometric. Then find a formula for the  $n^{\text{th}}$  term.

29) 
$$25, 33, 41, 49, \dots, a_n$$
  
 $a_n = a_1 + d(n-1)$   
 $a_n = 25 + 8(n-1)$   
 $a_n = 25 + 8n-8$   
 $a_n = 17 + 8n$ 

Find a formula for the  $n^{\text{th}}$  term of each sequence. The sequences are neither arithmetic nor geometric.

37) 
$$\begin{bmatrix} 2 & 3 & 4 \\ 1 & 4 & 9 \\ 1 & 4 & 9 \\ 1 & 6 & 9 \\ 1 & 6 & 9 \\ 1 & 9 & 1 \\ 1 & 9 & 1$$

