Arithmetic and geometric sequences

1. **Complete the table below:**

a_n	a_1	a_2	a_{10}
$a_n = 2n - 1$			
$a_n = \frac{4n-3}{2}$			
$a_n = n^2 - 3n + 5$			
$a_n = 2^{n-1}$			
$a_n = (-3)^n$			

2. **Determine if the sequence is arithmetic or geometric. Find the common ratio or the difference.**

Sequence	*Arithmetic or Geometric*	*Ratio or difference*
-9, -109, -209, -309…		
1, 0'5, 0, -0'5…		
-1, 5, -25, -125…		
4, 12, 36, 108…		
-20, -29, -38, -47…		
0'5, 1, 2, 4…		