Geometric Sequences			
(a)	**(b)**	**(c)**	**(d)**
Find the next two terms in the sequence $7, 14, 28, 56, \ldots$	Find the next two terms in the sequence $40, 20, 10, 5, \ldots.$	Find the first four terms of the sequence with first term 2 and common ratio 3	Find the first term and common ratio for the sequence: $3, 15, 75, 375, \ldots$
(e)	**(f)**	**(g)**	**(h)**
Find the first term and common ratio for the sequence: $160, 80, 40, 20, \ldots$	Find the next two terms in the sequence $2, -4, 8, -16, \ldots.$	Find the first four terms of the sequence with first term 120 and common ratio 0.5	Find the first term and common ratio for the sequence: $4, -8, 16, -32, \ldots$
(i)	**(j)**	**(k)**	**(l)**
Find the first four terms of the sequence with first term 5 and common ratio -2	Find the first four terms of the sequence with nth term $6 \times 3^{n-1}$	Find the nth term of the sequence with first term 10 and common ratio 4	Find the nth term of the sequence with first term 250 and common ratio 0.2
(m)	**(n)**	**(p)**	
Find the first four terms of the sequence with nth term $400 \times \left(\frac{1}{2}\right)^{n-1}$	Find the nth term of the sequence with first term 8 and common ratio -5	A tree starts with four branches. Every month each branch splits into two. How many branches will the tree have after 5 months? Find a formula for the number of branches b after n months.	