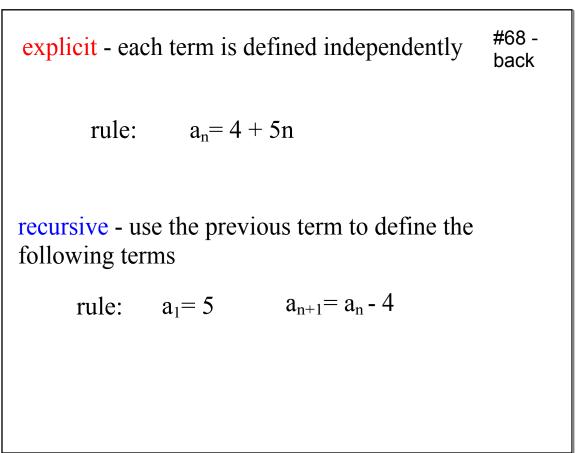
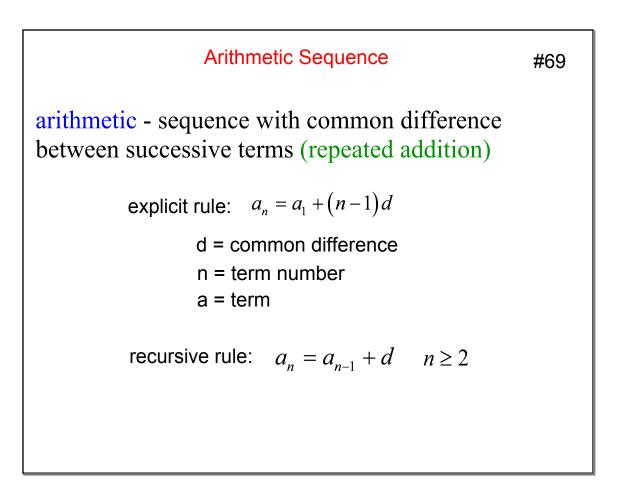
9.4 Sequences	
Sequence Vocab.	#68
sequence - an ordered progression of numbers	
finite	
infinite	

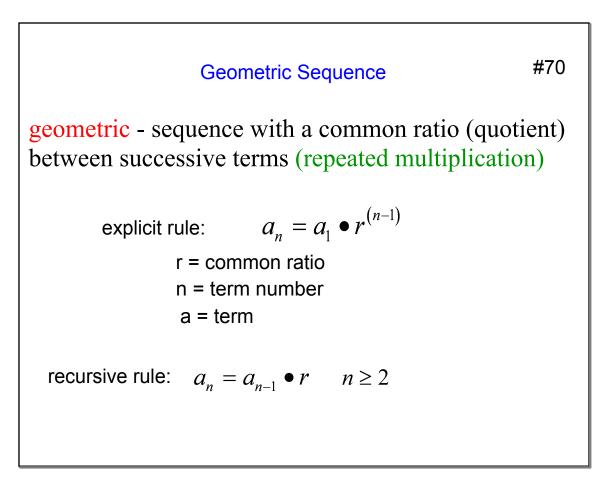
5, 10, 15, 20, 25

2, 4, 8, 16, 32,...,2^k, ...





Find the common difference, a recursive rule, and an explicit rule for the following sequences: -6, -2, 2, 6, 10, ... 5, 2, -1, -4, -7, ...



Find the common ratio, a recursive rule, and an explicit rule for the following sequences:

$$4, -2, 1, -\frac{1}{2}, \dots$$

Find the first 5 terms of the recursive sequence: $b_1 = -1$ and $b_{k+1} = b_k + 10$ for $k \ge 1$