SECTION 2.2 GEOMETRIC SEQUENCES i) Terms, common ratio, number of terms in a geometric sequence ii) Geometric means iii) Solving Algebraic sequences e Copyright all rights reserved to Homework depot: www.BCAbb.ca	
I) What is a Geometric Sequence?	
A sequence where each term after the first is Not the same as an arithmetic sequence (Add)	
2, 6, 18,,	
$\frac{3}{2} \frac{\frac{3}{2}}{\frac{4}{4}} \dots$	
$\frac{8}{6} - 4 + \frac{8}{3} - \frac{-16}{9}$	
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II) FORMULA FOR GEOMETRIC SEQUENCE:	
_	
t_n :	
u . r : n :	

Ex: Given the following sequence, find the 20^{TH} term:		
$\frac{3}{2} \frac{\frac{3}{2}}{\frac{4}{4}} \dots$		
EX: GIVEN THE THREE TERMS IN A GEOMETRIC SEQUENCE, FIND THE COMMON RATIO:		
$\frac{c^4}{f^2}, \frac{c}{f}, \frac{1}{c^2}$		
EX: THE THIRD TERM OF A GEOMETRIC SEQUENCE IS 27 AND THE SIXTH TERM IS 64. FIND THE COMMON RATIO:		
27 64_		
Ex: Given $t_4 = 72$ and $t_6 = 32$ find the common ratio and the first term:		
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