Geometric Sequences – Extra Practice

1. Find the missing terms for each of the following geometric sequences :  
   a) , 5 , , 125 b) 3, , , 375  
     
     
     
   c) ; ; d) ; ; ;
2. Determine the number of term in each of the following geometric sequences :  
   a) 3, 6, 12, …, 1536 b)   
     
     
     
     
   c)
3. Determine the general term of each geometric sequence if :  
   a) b)
4. Most photocopiers can reduce an image up to 64% of its original size. How many successive reductions must be made (at the maximum level) so that the image obtained is less than 10% of the original image?