3C Geometric Sequences Introduction

1. Find the nth and 10th terms of the following sequences…
a) 3, 6, 12, 24…

b) 40, -20, 10, -5…

2. The second term of a Geometric sequence is 4, and the 4th term is 8. Find the values of the common ratio and the first term

3. The numbers 3, x, and (x + 6) form the first three terms of a positive geometric sequence. Calculate the 15th term of the sequence

4. What is the first term to exceed 1 million in the sequence:

   3, 6, 12, 24…