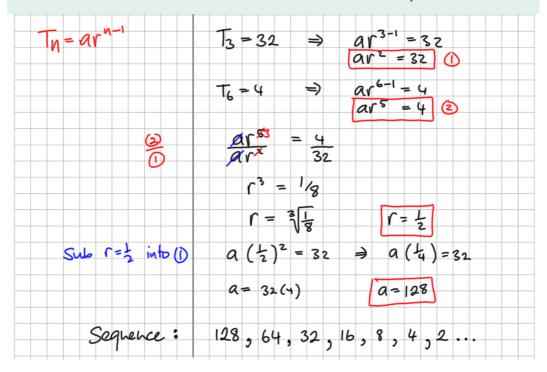
Example 2

In a geometric sequence, $T_3 = 32$ and $T_6 = 4$.

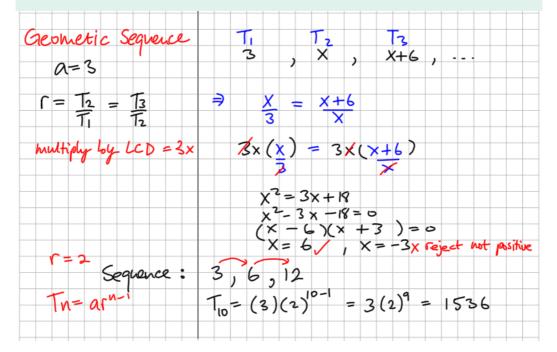
Find a and r and hence write down the first six terms of the sequence.



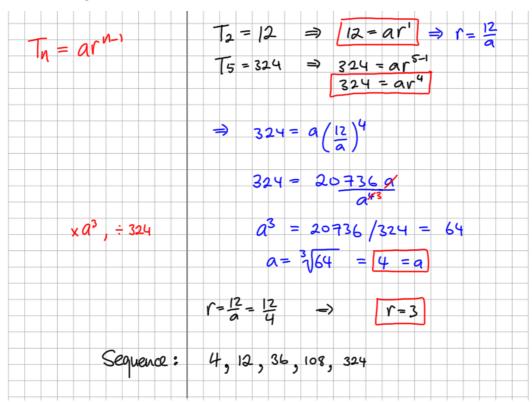
Example 3

 $3, x, x + 6, \dots$ are the first three terms of a geometric sequence of <u>positive terms</u>. Find

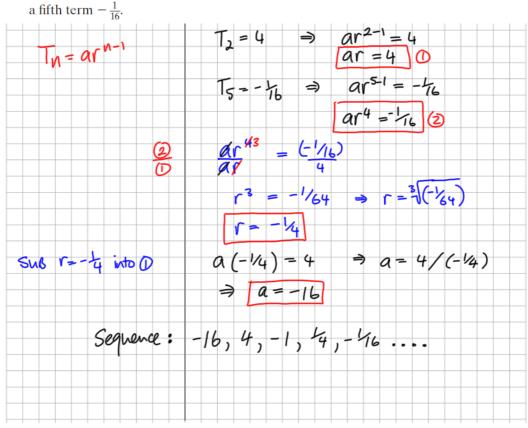
- (i) the value of x
- (ii) the tenth term of the sequence.



3. Given $T_2 = 12$ and $T_5 = 324$, find a and r and hence write down the first five terms of the sequence.



5. Write down the first five terms of the geometric sequence that has a second term 4 and a fifth term $-\frac{1}{16}$.



7. The three numbers n-2, n and n+3 are the first three terms of a geometric sequence. Find the value of n and hence write down the first four terms of the sequence.

