

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

23 Given that n is a positive integer,

the n th term of sequence S is given by the expression $n + 3$

and the n th term of sequence T is given by the expression $n^2 - 9$

(a) Find the 12th term of sequence T .

.....
(1)

Given also that the r th term of sequence T is 46 times the r th term of sequence S ,

(b) find the value of r .

$r =$
(3)

(Total for Question 23 is 4 marks)

