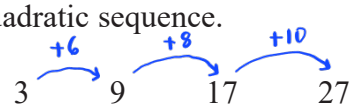
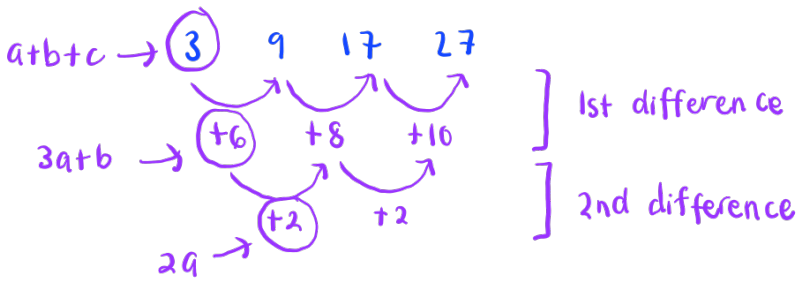
1 Here are the first four terms of a quadratic sequence.



Find an expression, in terms of n, for the nth term of this sequence.



$\therefore 2a = 2$ (1)

$a = 1$

$\therefore 3a+b = 6$

$3(1)+b = 6$

$b = 3$ (1)

$\therefore a+b+c = 3$

$1+3+c = 3$

$c = -1$

Since quadratic sequence formula is an^2+bn+c,

nth term is : subs value of a, b, c

$= n^2+3n-1$

n^2+3n-1 (1)

(Total for Question 1 is 3 marks)