

- (a) Show that  $a = 5$

(2)

- (b) Find the common difference of the series.

(3)

- (c) Find the 12th term of the series.

(2)

Given that  $1 + S_{p+4} = 2 S_p$

- (d) find the value of  $p$ .

(4)

**Question 9 continued**



**Question 9 continued**



**Question 9 continued**

**(Total for Question 9 is 11 marks)**

