The square numbers are $1, 4, 9, 16, 25, 36, 49, 64, 81, 100$. Write them above each sequence and read off the difference.

1 $4,\ 7,\ 12,\ 19,\ 28$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

2 $-1,\ 2,\ 7,\ 14,\ 23$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

3 $7,\ 10,\ 15,\ 22,\ 31$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

4 $0,\ 3,\ 8,\ 15,\ 24$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

5 $6,\ 9,\ 14,\ 21,\ 30$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

6 $-4,\ -1,\ 4,\ 11,\ 20$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

7 $11,\ 14,\ 19,\ 26,\ 35$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)

8 $-9,\ -6,\ -1,\ 6,\ 15$

(a) Find the nth term (1)

(b) Find the 10th term (1)

(2 marks)