1. Here is arithmetic sequence.

$$1 , 7 , 13 , 19 , 25 ,$$
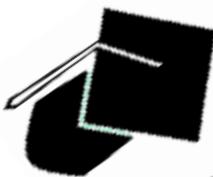
n the Nth term.

....

(1. th term in the sequence?

....

(3 marks)

2. Coord. nd coordinate $B = (8 , 7)$.
Write dov AB

....

(2 marks)

3. Simplify $6x + $ −2

....

(2 marks)

4. Simplify $2m^3 + 6m^3$

....

(1 mark)

5. $a = 5$ $b = 3$ $c = -2$

Work out the value of $ab + 2$

....

(2 marks)

6. Simplify $6n^7 \times 8n^{-2}$

....

(2 marks)

7. Simplify $\dfrac{24h^{10}}{3h^{-2}}$

....

marks)

8. Simplify $(10q^{-3})^2$

9. Simplify $\dfrac{6a^4 \times 2a^6}{3a^2}$

....

(2 marks)

10. Expand $8(5 - 6y)$

………………….

(1 mark)

1.   ` $- 15$

………………….

(2 marks)

12. Expand $(x - 6)(x - 5)$

………………….
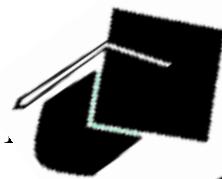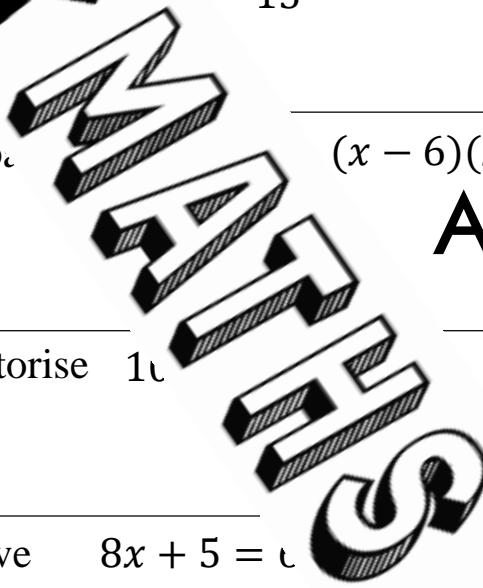
(2 marks)

13. Factorise   1c

………………….

(2 marks)

14. Solve $8x + 5 =$ c

$x =$ …………….

(2 marks)

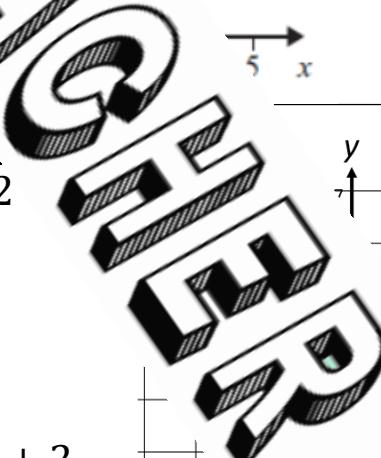15. Show the inequality $x + 1 <$ line below.

$$-5 \quad -4 \quad -3 \quad -2 \quad -1 \quad 0 \qquad\qquad 5 \quad x$$

(1 mark)

16. Complete the table of values for $y = \dfrac{}{2}$

x	-2	-1	0	1	2
y					

On the grid draw the graph of $y = \dfrac{1}{2}x + 2$

…arks)

Score =