1. Her~ ~rithmetic sequence.

$$-1, 1, 3, 5, 7, ..., ...$$

~he next two terms

…………………

(ii) ~ ~rm

…………………

(iii) Wh~ ~ in the sequen~ (5 marks)

2.

(a) Write down

………………

(b) Plot the coordinate

(c) Write down the midpoint o

………………
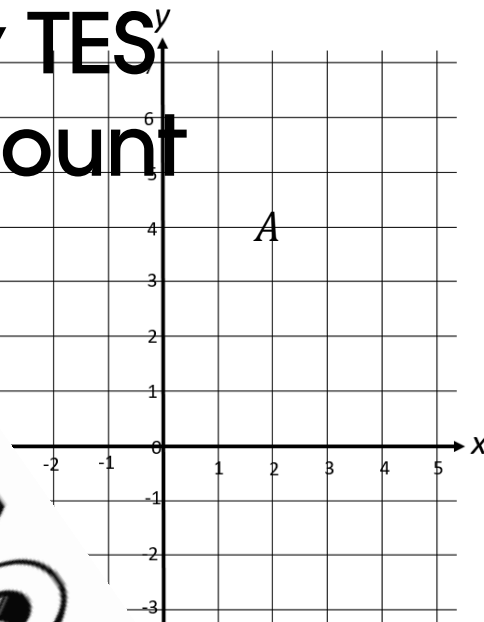
(4 marks)

3. Simplify $5a + 4b + 7 - 2a + 3b + 8$

4. Simplify $8a \times a \times 3b$

5. $a = 4$ $b = 0.5$ $c = -1$
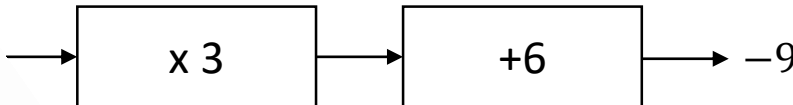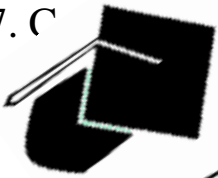
Work out the value of $a^2 + 8b - 2c$

……

6. Simplify $(4y^5)^2$

…………………

(2 marks)

7. C

$$\rightarrow \boxed{\text{x 3}} \rightarrow \boxed{+6} \rightarrow -9$$

$x =$……………
(1 mark)

8. Sim~~p~~ $\quad$ $- 3n^3$

………………
(1 mark)

9. Expand

………………
(1 mark)

10. Factorise $\quad x^2 +$

………………
(2 marks)

11. Solve $\quad 3x - 2 = 2$

$x =$……………
(2 marks)

12. Show the inequality $\quad x - 1 \geq$ line below.

$$\begin{array}{ccccccc} -5 & -4 & -3 & -2 & -1 & 0 \end{array} \qquad x$$
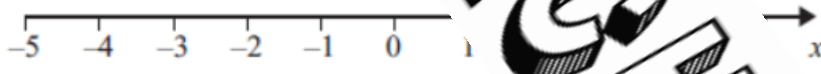
(2 marks)

13. Complete the table of values for $\quad y =$

x	-2	-1	0	1	2
y					

On the grid draw the graph of $\quad y = 3x + 1$

(4 marks)

Score =