1. Her... n arithmetic sequence.

$$-1, 4, 9, 14, 19, ..., ...$$

... n the next two terms

....

(.... ...th term

....

(iii) .... rm in the sequence

(5 marks)

2.

(a) Write d... .... A

....

(b) Plot the coordin...

A

(c) Write down the midpoi...

....
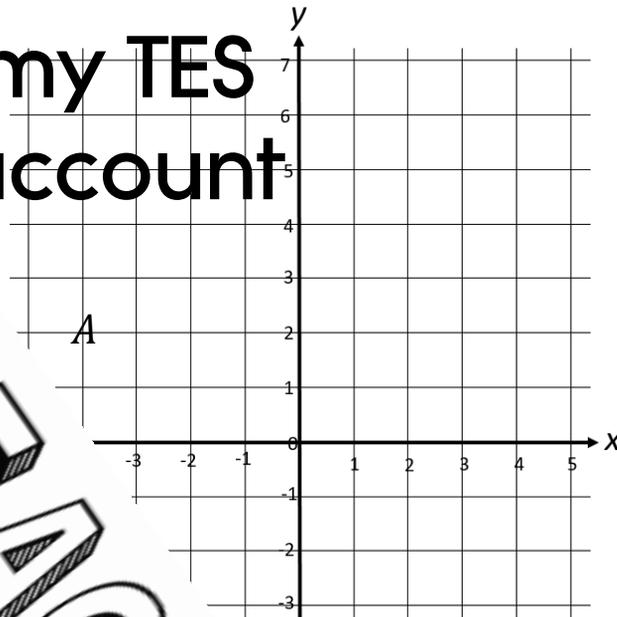
(4 marks)

3. Simplify $\quad 4g + 2h + 8 + 5g - 6h + $

....

(2 marks)

4. Simplify $\quad 8e \times f \times 6f$

....

(1 mark)

5. $\quad a = 5 \quad b = 0.5 \quad c = -2$

Work out the value of $\quad 6a - 2b + 3c$

6. Simplify $\quad \dfrac{3x^4 \times 4x^5}{2x^2}$

....

(2 marks)
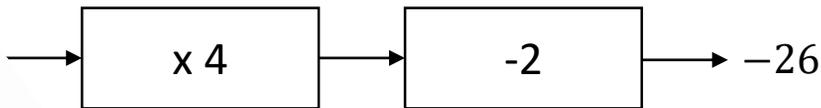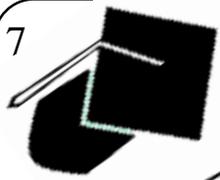
7.

$$\boxed{\rightarrow \boxed{\text{x 4}} \rightarrow \boxed{-2} \rightarrow -26}$$

$x =$……………

(1 mark)

8. Sim_____ $^5 - 2m^5$

……………

(1 mark)

9. Expand an_____ $3) + 3(2 \ldots 5)$

……………

(2 marks)

10. Factorise $x^2 -$ _____

……………

(2 marks)

11. Solve $2x - 5 = 9$

$x =$……………

(2 marks)

12. Show the inequality $3x \le -\ldots$ _____ line below.

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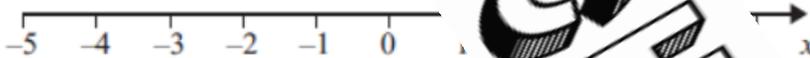
(2 marks)

13. Complete the table of values for $y = 2$ _____

x	-2	-1	0	1	2
y					

On the grid draw the graph of $y = 2x - 1$

(4 marks)

Score =