1. Here is an arithmetic sequence.

2 , 5 , 8 , 11 , 14 , ... , ...

(i) Write down the next two terms

.....

(ii) Write down the 10th term

.....

(iii) Write down the nth term in the sequence

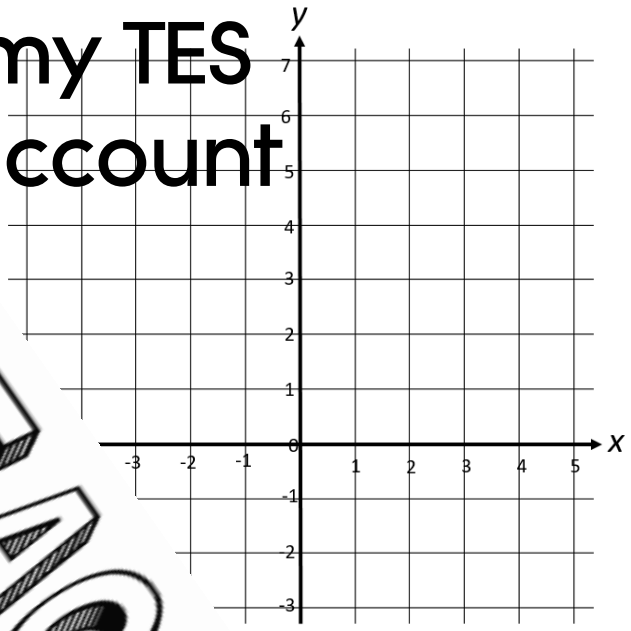
(5 marks)

2.

(a) Write down the coordinates of A

.....

(b) Plot the coordinates of B



(2 marks)

3. Simplify $3e + 5f - e + 6f$

.....

(1 mark)

4. Simplify $2 \times n \times n \times 7 \times n$

.....

(1 mark)

5. $a = 10 \quad b = 1 \quad c = -2$

Work out the value of $a^2 + 5c$

.....

(2 marks)

6. Simplify $\dfrac{g^{15}}{g^5}$

.....

(1 mark)

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7. C

$\rightarrow$ X 5 $\rightarrow$ +4 $\rightarrow x$

$x =$.....

(1 mark)

8. Simp $\times y$

.....

(1 mark)

9. Expand

.....

(1 mark)

10. Factorise $20x$

.....

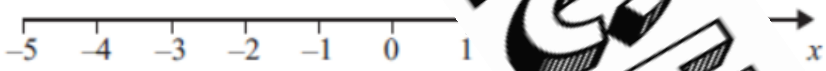
(2 marks)

11. Solve $3x + 1 = 13$

$x =$.....

(2 marks)

12. Show the inequality $-2 < x \leq$ line below.

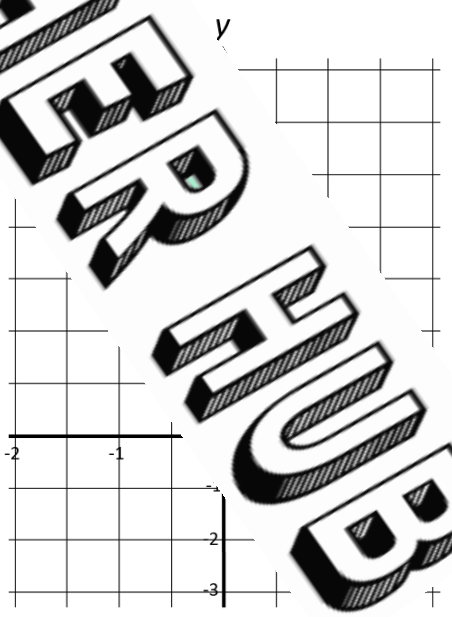


(2 marks)

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

x	-2	-1	0	1	2
y					

On the grid draw the graph of $y = 2x + 3$



(4 marks)

Score =

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