

1. Here is an arithmetic sequence.

$$-1, 4, 9, 14, 19, \dots, \dots$$

Find the next two terms

(i) The 10th term

.....

(iii) The 5th term in the sequence

.....

(5 marks)

2.

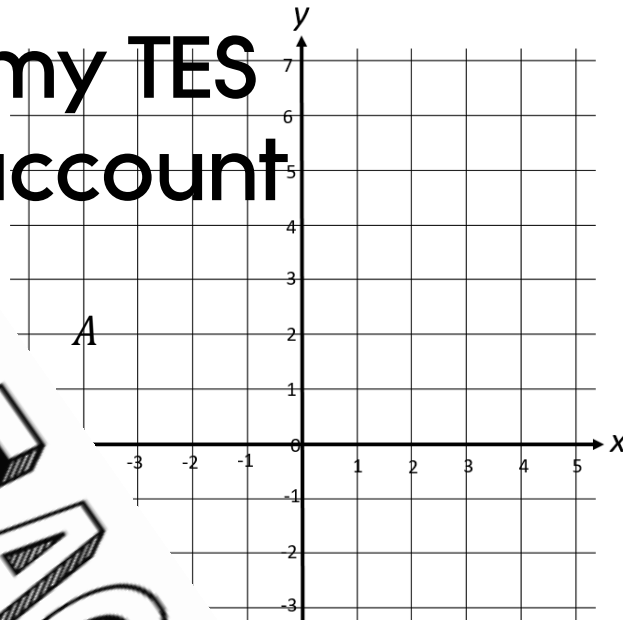
(a) Write down the coordinates of A

.....

(b) Plot the coordinates of A

(c) Write down the midpoint of AB

.....



(4 marks)

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

.....

(2 marks)

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

.....

(1 mark)

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

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

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

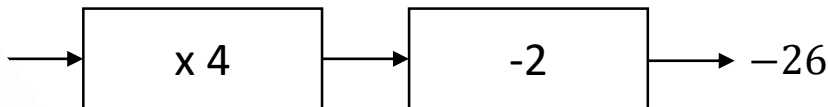
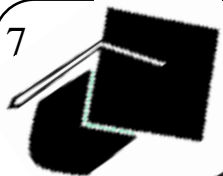
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(2 marks)

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account

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x =

(1 mark)

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

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(1 mark)

9. Expand and simplify $3(2x + 5) + 3(2x + 5)$

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(2 marks)

10. Factorise $x^2 - 4$

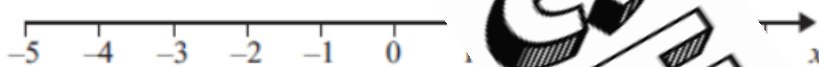
.....
(2 marks)

11. Solve $2x - 5 = 9$

x =

(2 marks)

12. Show the inequality $3x \leq -6$ on a number line below.



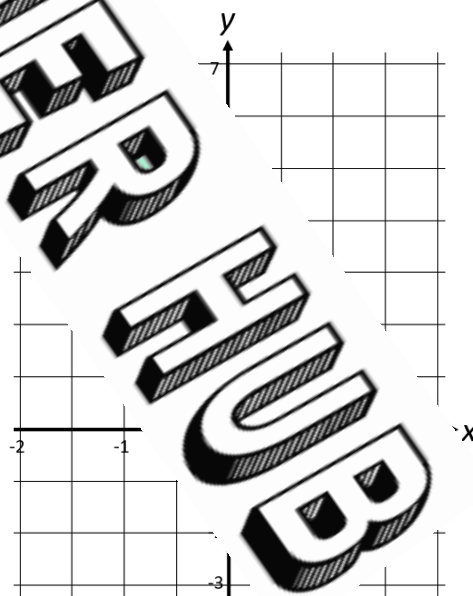
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(2 marks)

13. Complete the table of values for $y = 2x - 1$

x	-2	-1	0	1	2
y					



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



.....
(4 marks)

Score =