

1 Arithmetic sequence.

7, 9, 11, 13, 15, ..., ...

(i) Write down the next two terms

(ii) Write down the n th term

(iii) What is the value of n if the term is 23 in the sequence

.....

(5 marks)

Available from.....

my TES

account

2.

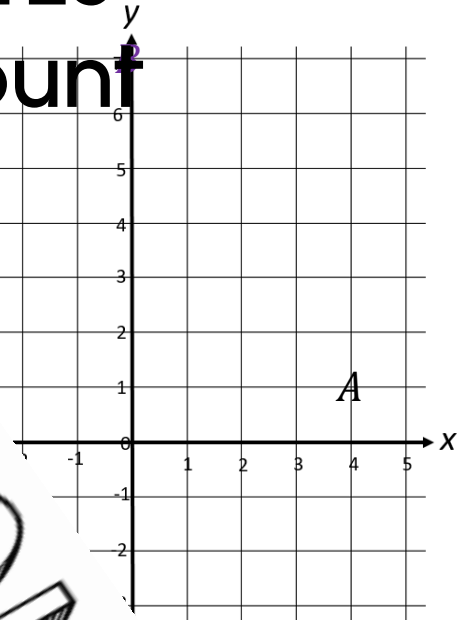
(a) Write down the coordinates of point A

.....

(b) Plot the coordinate B

(c) Write down the midpoint of AB

.....



(4 marks)

3. Simplify $6y + 9y^2 + 3y - 5y^2$

.....

(1 mark)

4. Simplify $7a \times b \times 2c$

.....

(1 mark)

5. $a = 5$ $b = 4$ $c = -1$

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

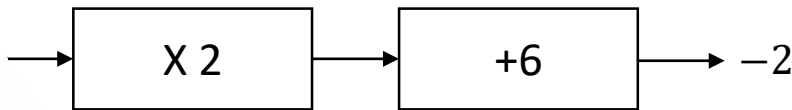
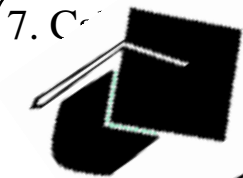
.....

(3 marks)

6. Simplify $(k^5)^4$

.....

(1 mark)



x =
(1 mark)

8. Simplify $-2b^3$

Available from
(1 mark)

9. Expand

my TES
(1 mark)

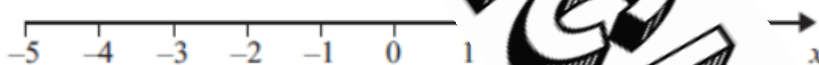
10. Factorise $6x +$

account
(2 marks)

11. Solve $2x - 3 = 1$

x =
(2 marks)

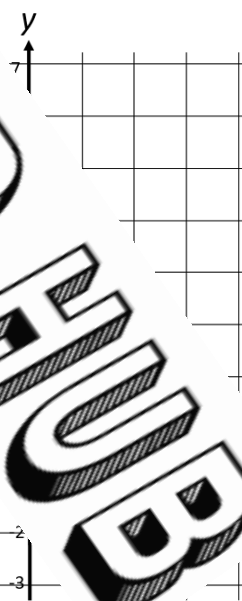
12. Show the inequality $x + 2 <$ line below.



(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 =