

Arithmetic sequence.

1, 5, 9, 13, 17, ..., ...

(i) Write down the next two terms

(ii) Write down the common difference

(iii) What is the 10th term of the sequence

(5 marks)

Available from

my TES

account

2.

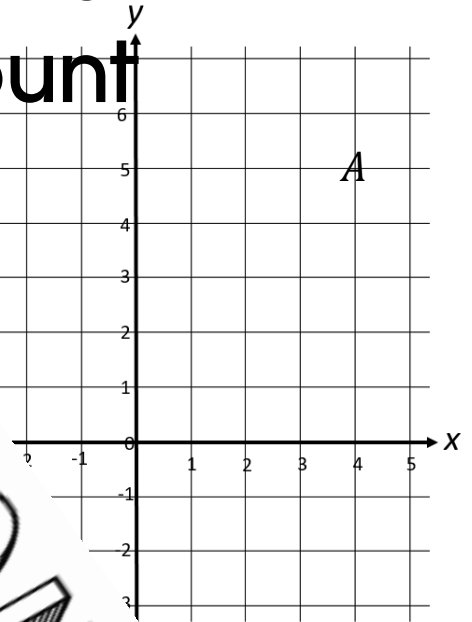
(a) Write down the coordinates of point A

.....

(b) Plot the coordinate B

(c) Write down the midpoint of AB

.....



(4 marks)

3. Simplify $4g + 8g^2 - 2g + 5g^2$

(1 mark)

4. Simplify $6a \times 5b$

(1 mark)

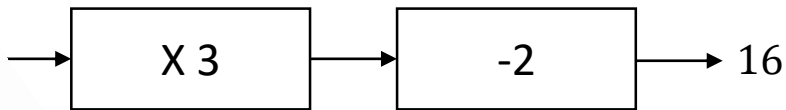
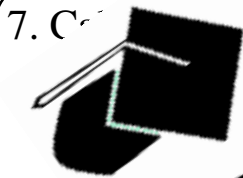
5. $a = 3$ $b = 4$ $c = -1$

Work out the value of $ab - 3c$

(1 mark)

6. Simplify $(a^4)^3$

(1 mark)



$x = \dots\dots\dots$
(1 mark)

8. Simplify $2h^2 + h^3$

Available from $\dots\dots\dots$ (1 mark)

9. Expand $(x+2)^2$

my TES $\dots\dots\dots$ (1 mark)

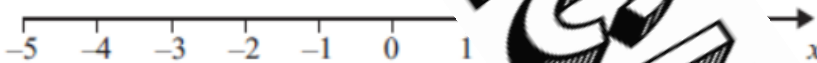
10. Factorise $30x^2 - 12x$

account $\dots\dots\dots$ (2 marks)

11. Solve $3x - 1 = 14$

$x = \dots\dots\dots$
(2 marks)

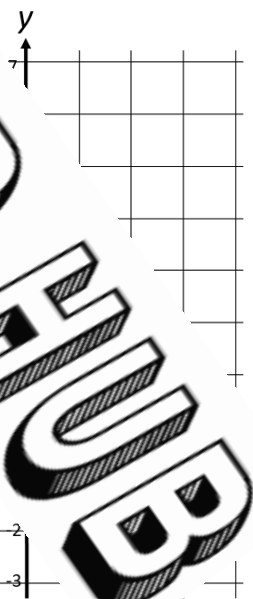
12. Show the inequality $-4 \leq x < 1$ on the number line below.



$\dots\dots\dots$ (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 $y = -2x + 1$

$\dots\dots\dots$ (4 marks)

Score =