

1. Here is an arithmetic sequence.

6, 12, 18, 24, 30, ..., ...

Find the next two terms

(i) ..... (1 mark)

(iii) ..... (3 marks)

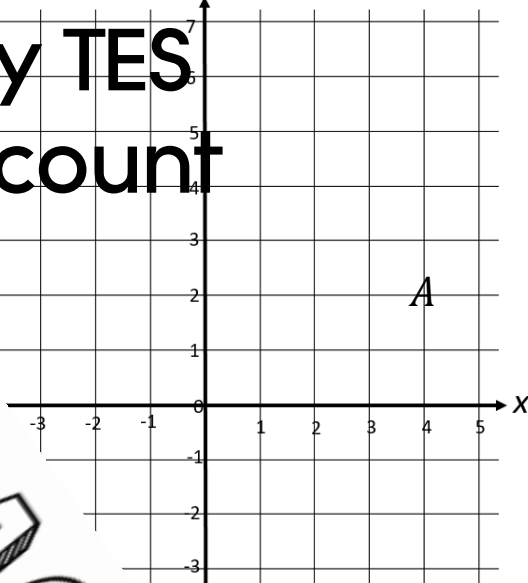
2.

(a) Write down the coordinates of point A

.....

(b) Plot the coordinates of point A

Available from  
my TES  
account



(2 marks)

3. Simplify  $m + 2m + m + 3m$

.....  
(1 mark)

4. Simplify  $3 \times y \times 5 \times y$

.....  
(1 mark)

5.  $a = 4$     $b = 2$     $c = 5$

Work out the value of  $2a + 4b + c^2$

6. Simplify  $w^3 \times w^8$

.....  
(1 mark)

7. Ca<sup>1</sup>



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

8. Simplify

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

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

9. Expand  $5(x + 2)$

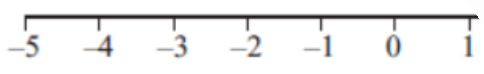
10. Factorise  $6a + 9$

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

11. Solve  $x - 4 = 13$

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

12. Show the inequality  $x < -1$  on a number line below.

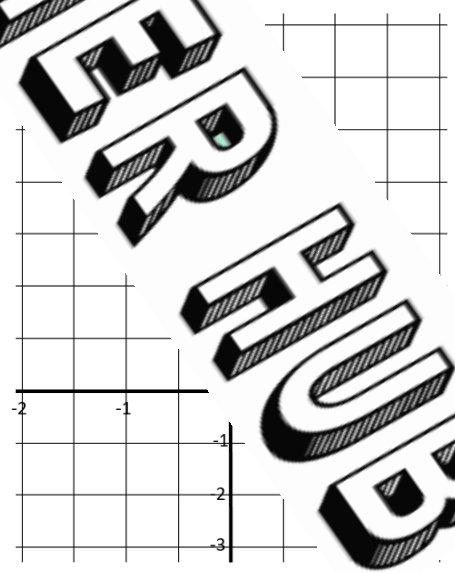


$\dots\dots\dots$  (1 mark)

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

$x$	-2	-1	0	1	2
$y$					

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



$\dots\dots\dots$  (+ marks)

Score =