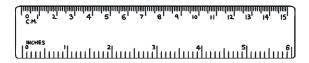


Maths Assessment Year 6 Term 3: Geometry - Position and Direction

You will need a ruler for this task.



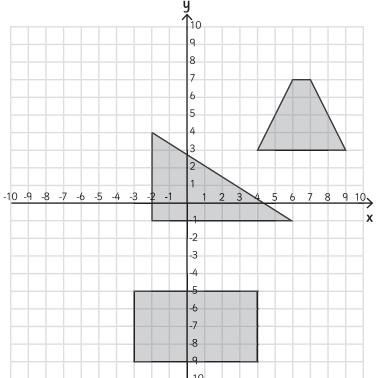
- 1. Describe positions on the full coordinate grid (all four quadrants).
- 2. Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.



Maths Assessment Year 6 Term 3: Geometry - Position and Direction



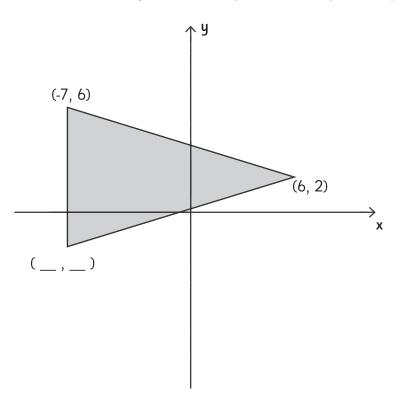
- 1. Describe positions using all four quadrants of a coordinate grid.
- a) Label the coordinates of all of the vertices of each shape:



shape	coordinates	
	(_,_)(_,_)	
	(_,_)(_,_)	
	(_,_)(_,_)	
	(_,_)(_,_)	
	(_,_)(_,_)	
	(_,_)	



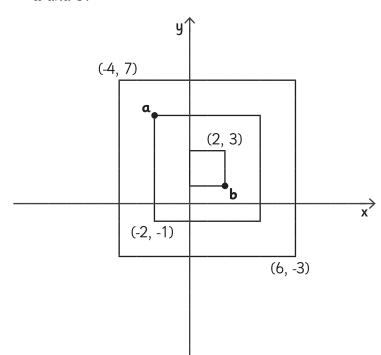
b) Label the missing coordinates of the vertices of this shape:







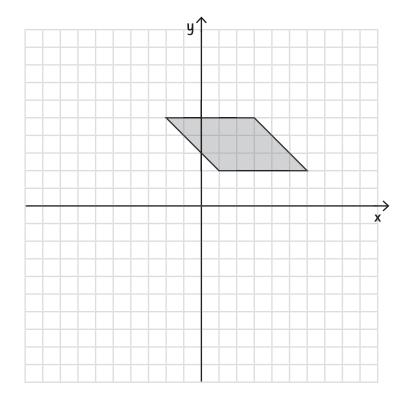
c) Here are 3 concentric rectangles on a coordinates grid. What are the coordinates of **a** and **b**?



shape	coordinates		
a	(,)		
Ь	(_,_)		



- 2. Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.
- a) Reflect this parallelogram in the ${\bf x}$ axis.



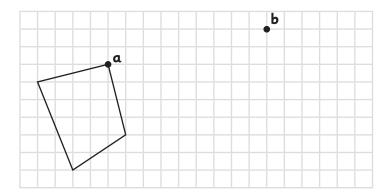




b) The shape is translated so that point \bf{a} moves to point \bf{b} .

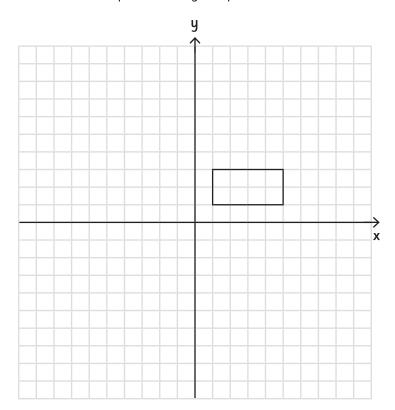
Draw the shape in its new position.

Use a ruler.



c) This shape has been reflected in the y axis and then translated 5 places down.

Draw the shape in its original position.

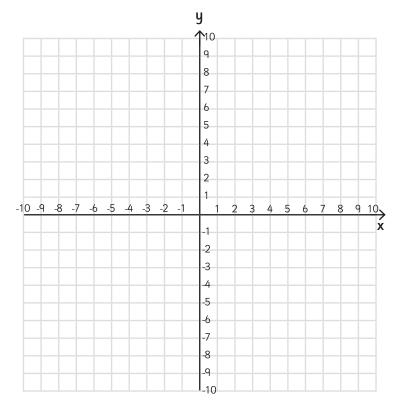




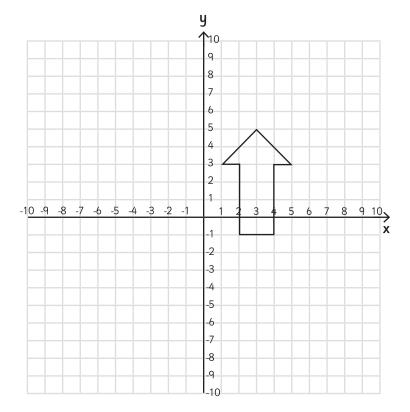




d) Use these coordinates to draw a shape: (-2,5) (1,4) (4,5) (4,-1) (1,0) (-2,-1)



e) Translate the shape 6 places to the left and 7 places down.



What is the new coordinate for the point of the arrow?

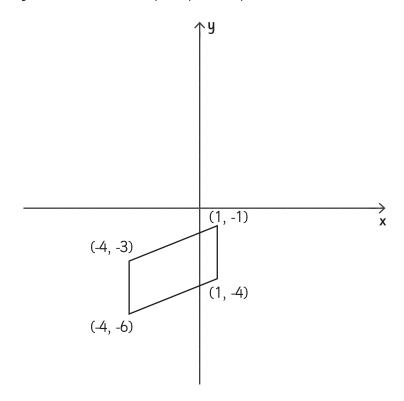








f) Translate this shape 5 places up.



Write down the new coordinates of its vertices.

() () () (
(<u> </u>	, (,	_)(_	, , (





Answer Sheet: Maths Assessment Year 6 Term 3:





question	answer	marks	notes		
1. Describe positions on the full coordinate grid (all four quadrants).					
	shape coordinates		1 mark for each set of coordinates		
	(6,7)(7,7)(9,3)(4,3)				
а	(-2,4)(6,-1)(-2,-1)	3	correctly identified. Accept coordinates in any order.		
	(-3,-5)(4,-5)(4,-9)(-3,-9)				
b	(-7 , -2)	1			
С	a = -2, 5 b = 2, 1	2			
2. Draw an	d translate simple shapes on the coordinate plane, and reflect the	m in the a	ixes.		
а		1			
b	a b	1			
C		2			



question	answer	marks	notes
d		1	
Ф	What is the new coordinate for the point of the arrow? (-3, -2)	2	
f	(1,4) (1,1) (-4,-1) (-4,2)		
		Total 15	