

Co-ordinate Geometry

Difficulty: Easy

Question Paper 2

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Co-ordinate Geometry
Sub-Topic	Co-ordinate Geometry
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 2

Time allowed: 46 minutes

Score: /36

Percentage: /100

Grade Boundaries:

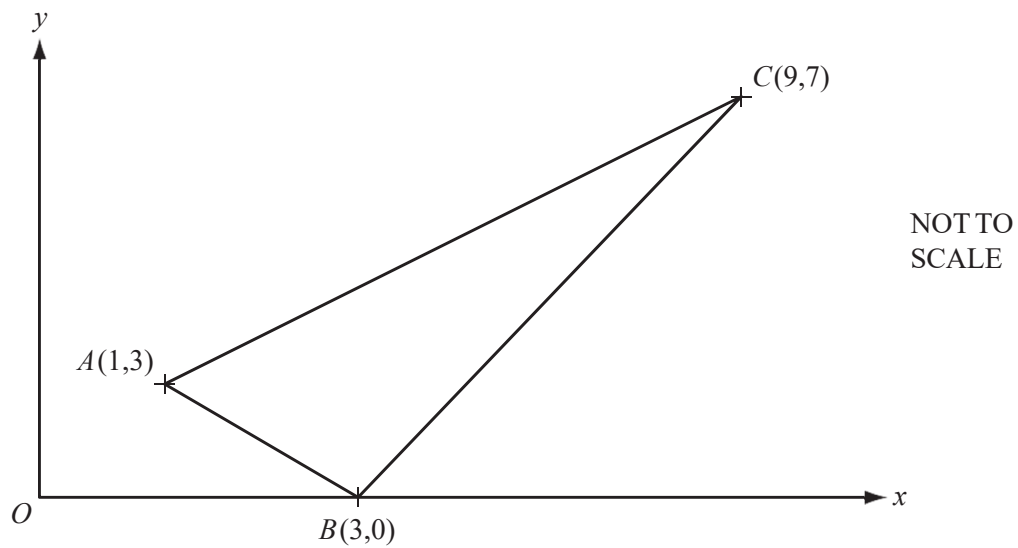
CIE IGCSE Maths (0580)

A*	A	B	C	D	E
>88%	76%	63%	51%	40%	30%

CIE IGCSE Maths (0980)

9	8	7	6	5	4	3
>94%	85%	77%	67%	57%	47%	35%

Question 1

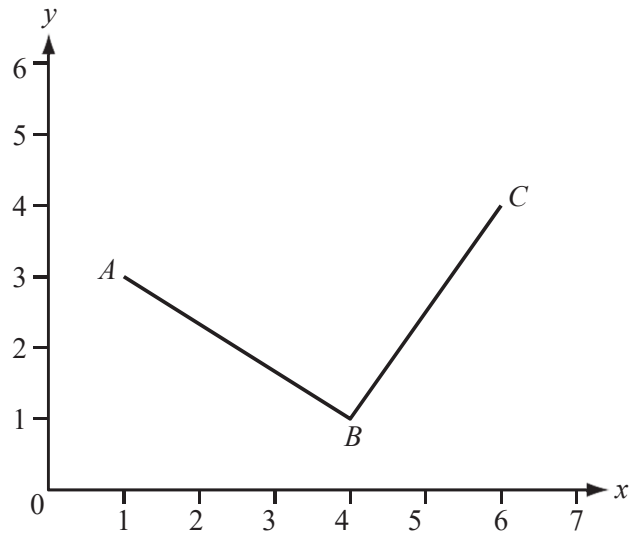


The co-ordinates of A , B and C are shown on the diagram, which is not to scale.

(a) Find the length of the line AB . [3]

(b) Find the equation of the line AC . [3]

Question 2



$A(1, 3)$, $B(4, 1)$ and $C(6, 4)$ are shown on the diagram.

(b) Work out the equation of the line BC .

[3]

(c) ABC forms a right-angled isosceles triangle of area 6.5 cm^2 .

Calculate the length of AB .

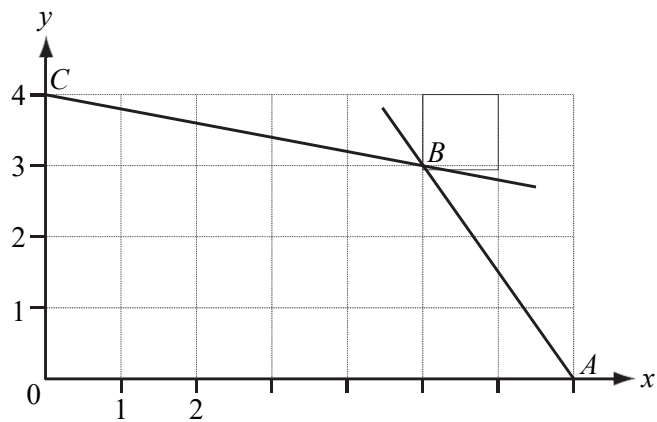
[2]

Question 3

Find the length of the straight line from $Q(-8, 1)$ to $R(4, 6)$.

[3]

Question 4

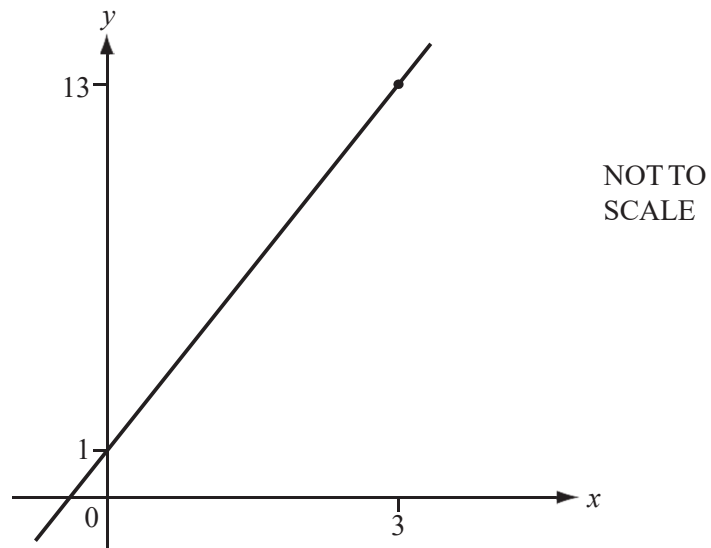


The lines AB and CB intersect at B .

(a) Find the co-ordinates of the midpoint of AB . [1]

(b) Find the equation of the line CB . [3]

Question 5

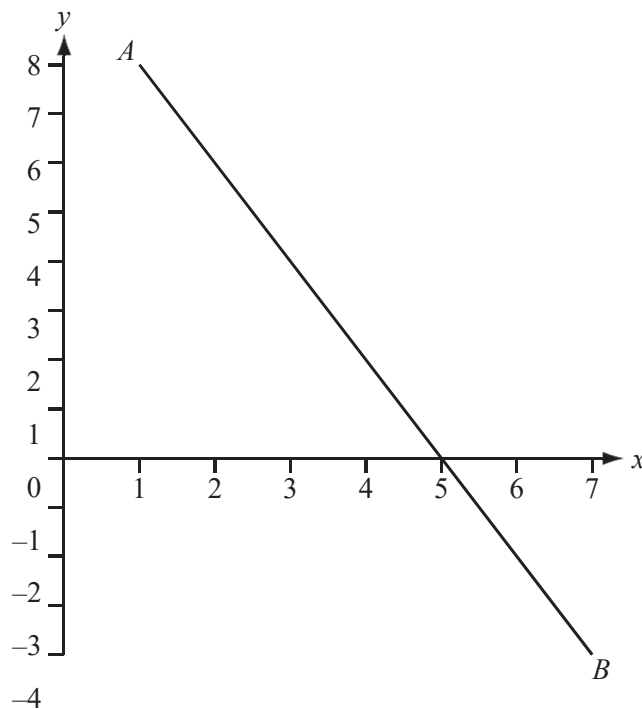


The diagram shows the straight line which passes through the points $(0, 1)$ and $(3, 13)$.

Find the equation of the straight line.

[3]

Question 6



(a) Using a straight edge and compasses only, construct the perpendicular bisector of AB on the diagram above. [2]

(b) Write down the co-ordinates of the midpoint of the line segment joining $A(1, 8)$ to $B(7, -4)$.

[1]

(c) Find the equation of the line AB .

[3]

Question 7

- (a) The line $y = 2x + 7$ meets the y -axis at A .

Write down the co-ordinates of A .

[1]

- (b) A line parallel to $y = 2x + 7$ passes through $B(0, 3)$.

- (i) Find the equation of this line.

[2]

- (ii) C is the point on the line $y = 2x + 1$ where $x = 2$.

Find the co-ordinates of the midpoint of BC .

[3]

Question 8

Find the equation of the straight line which passes through the points $(0, 8)$ and $(3, 2)$.

[3]