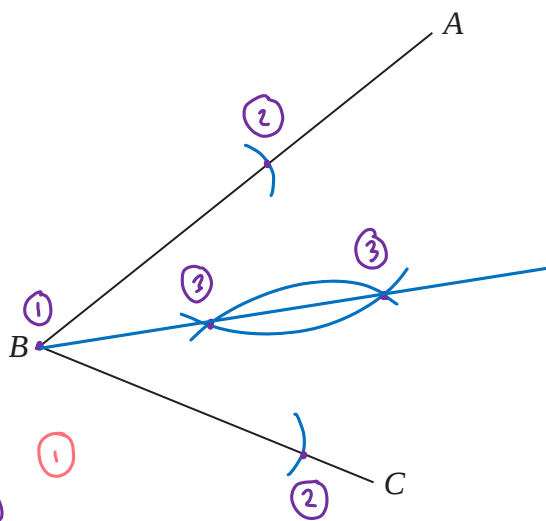


- 1 Using ruler and compasses only, construct the bisector of angle ABC .
You must show all your construction lines.

① Place compass on B and draw arcs on BA and BC

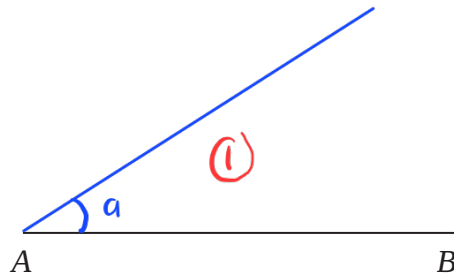
② Place compass where these arcs meet the lines and draw 2 more arcs at the centre.

③ Place a ruler where these arcs meet and draw a line through B.



(Total for Question 1 is 2 marks)

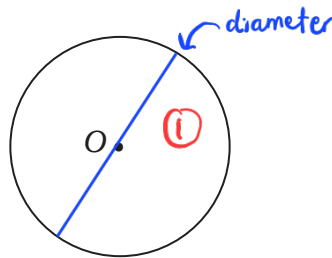
- 2 The diagram shows a line AB .



- (a) At the point A draw an acute angle.
Label your acute angle a .

(1)

The diagram shows a circle with centre O .

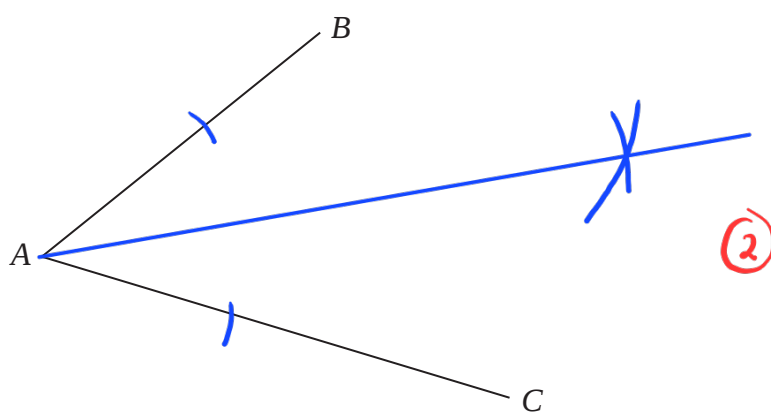


- (b) Draw a diameter of the circle.

(1)

(Total for Question 2 is 2 marks)

- 3** Use ruler and compasses to construct the bisector of angle BAC .
You must show all your construction lines.



(Total for Question 3 is 2 marks)

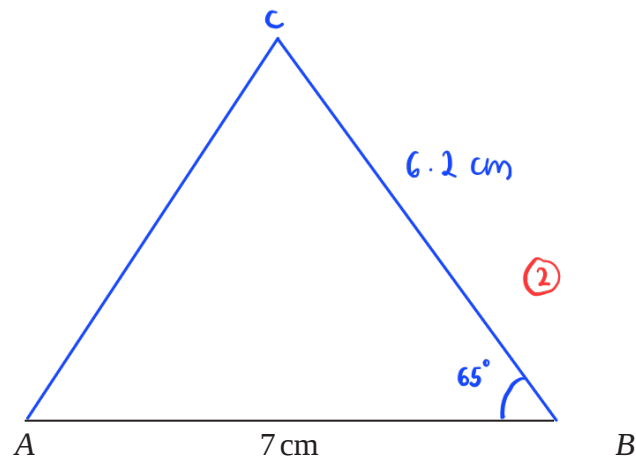
4 ABC is a triangle.

$AB = 7\text{ cm}$ and $BC = 6.2\text{ cm}$

Angle $ABC = 65^\circ$

Draw accurately the triangle ABC .

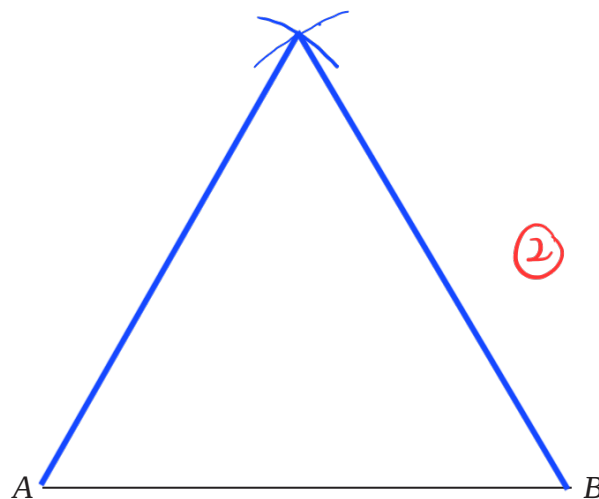
The line AB has been drawn for you.



(Total for Question 4 is 2 marks)

- 5 (c) Using ruler and compasses only, in the space below construct the equilateral triangle ABC with sides of length 7 cm.
You must show all your construction lines.

Side AB has already been drawn for you.



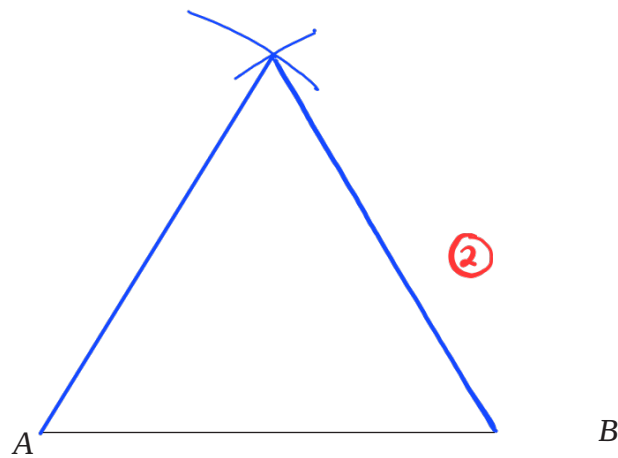
(2)

(Total for Question 5 is 2 marks)

6 Triangle ABC is an equilateral triangle of side 6 cm.

Using a ruler and compasses only, construct triangle ABC
You must show all your construction lines.

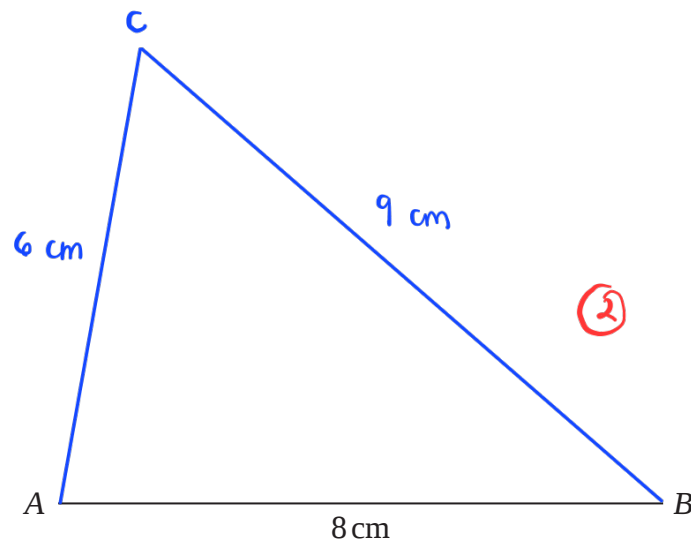
Side AB has been drawn for you.



(Total for Question 6 is 2 marks)

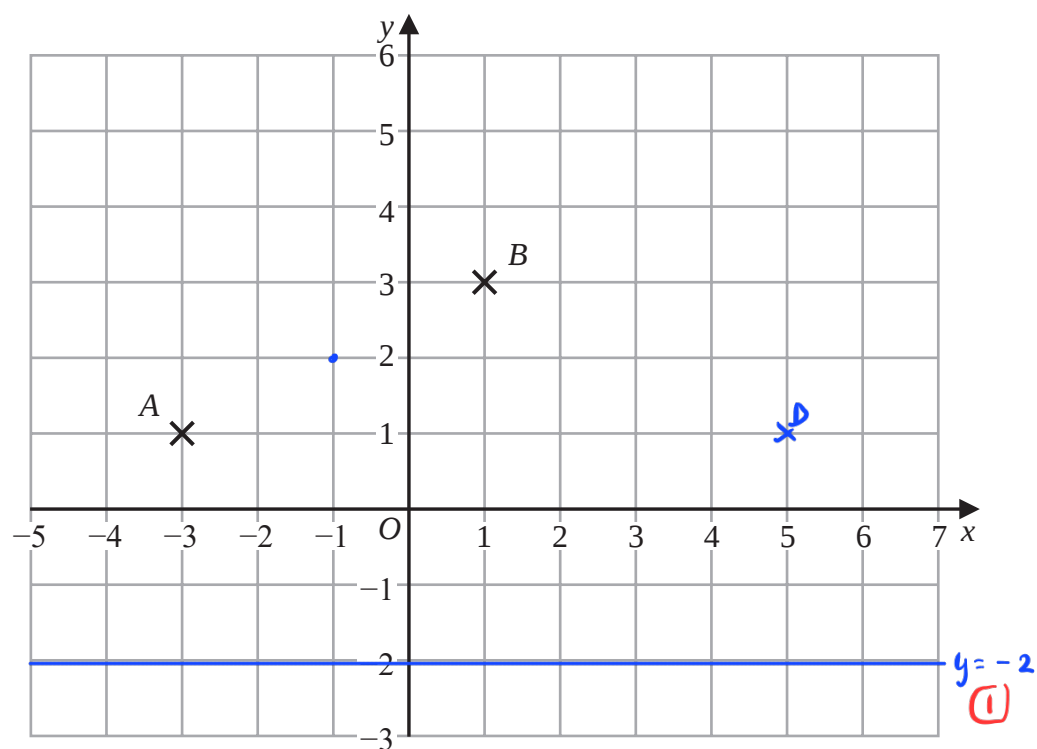
- 7 ABC is a triangle.
 $AB = 8\text{ cm}$, $AC = 6\text{ cm}$ and $BC = 9\text{ cm}$.

Use a ruler and compasses to construct the triangle ABC .
The side AB has been drawn for you.
You must show all your construction lines.



(Total for Question 7 is 2 marks)

- 8 The diagram shows points A and B marked on a grid of squares.

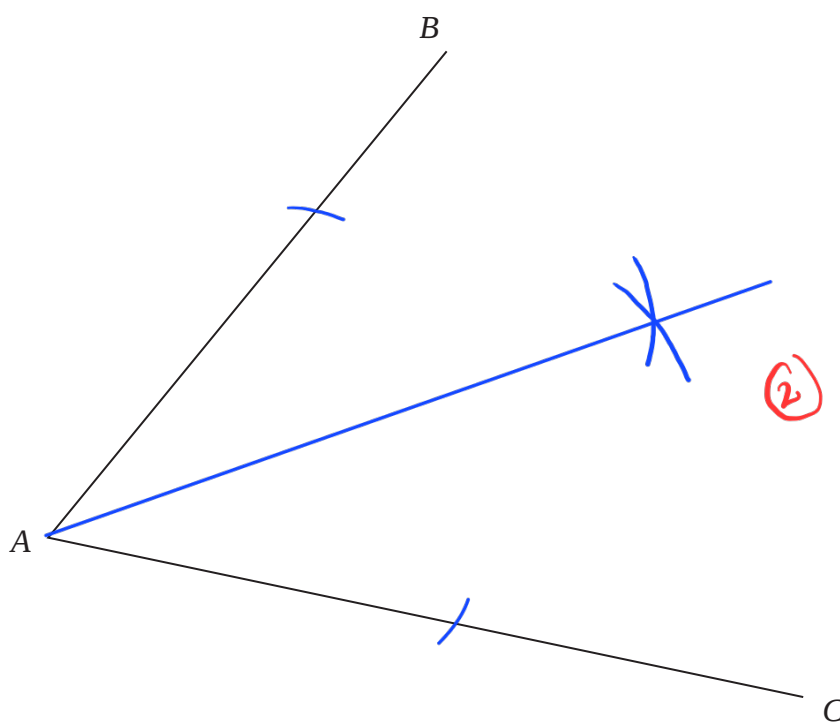


- (a) On the grid, draw the line with equation $y = -2$

(1)

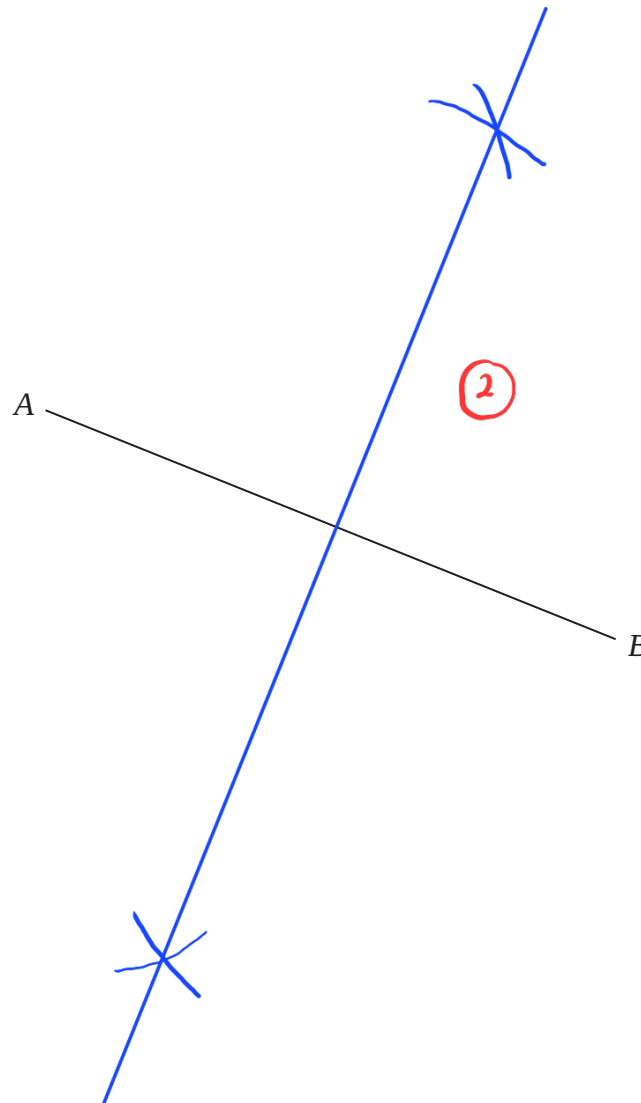
(Total for Question 8 is 1 marks)

- 9 Using ruler and compasses only, construct the bisector of angle BAC
You must show all your construction lines.



(Total for Question 9 is 2 marks)

- 10** Use ruler and compasses only to construct the perpendicular bisector of line AB
You must show all your construction lines.



(Total for Question 10 is 2 marks)