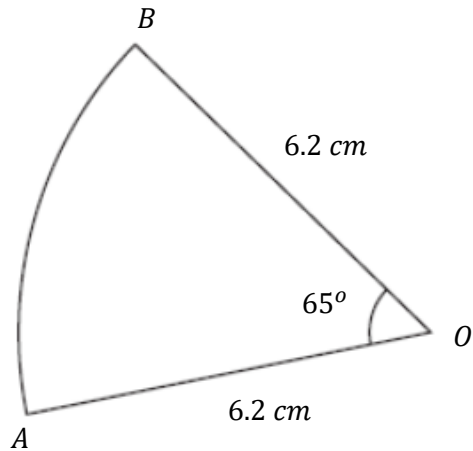


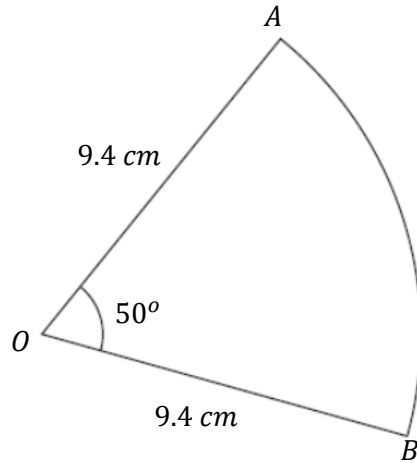
1. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the area of sector  $OAB$   
Give your answer correct to 1 decimal place.

2 marks

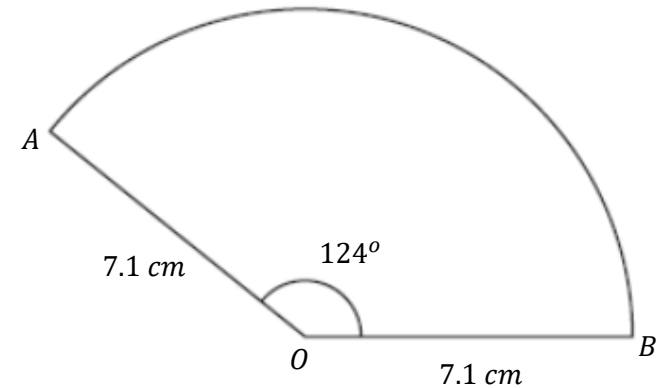
2. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the length of the arc  $AB$   
Give your answer correct to 1 decimal place.

2 marks

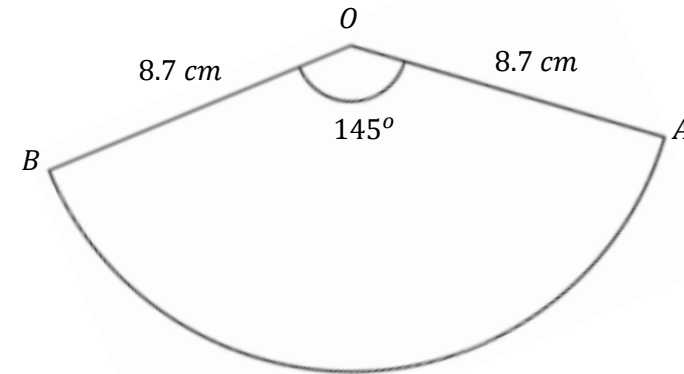
3. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the area of sector  $OAB$   
Give your answer correct to 1 decimal place.

2 marks

4. The diagram shows sector  $OAB$  of a circle, centre  $O$



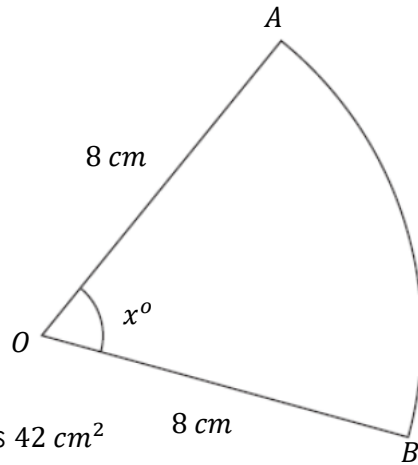
Calculate the perimeter of sector  $OAB$   
Give your answer correct to 1 decimal place.

3 marks

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5. The diagram shows sector  $OAB$  of a circle, centre  $O$

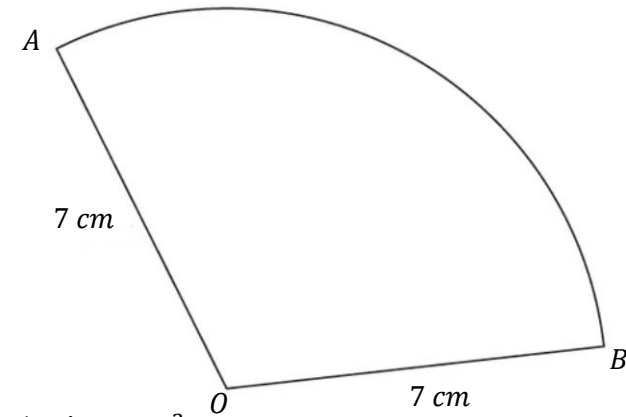


The area of the sector is  $42\text{ cm}^2$

Calculate the size of angle  $x$   
Give your answer correct to 3 significant figures.

3 marks

7. The diagram shows sector  $OAB$  of a circle, centre  $O$

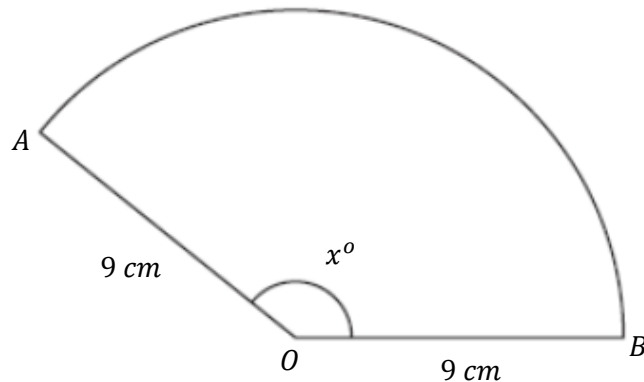


The area of the sector is  $50\text{ cm}^2$

Calculate the perimeter of the sector.  
Give your answer correct to 3 significant figures.

4 marks

6. The diagram shows sector  $OAB$  of a circle, centre  $O$

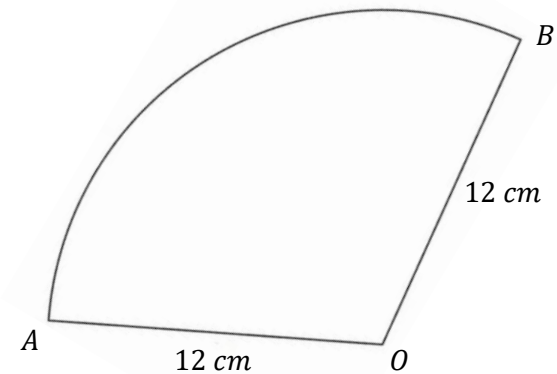


The perimeter of the sector is  $41\text{ cm}$

Calculate the size of angle  $x$   
Give your answer correct to 3 significant figures.

4 marks

8. The diagram shows sector  $OAB$  of a circle, centre  $O$



The perimeter of the sector is  $46\text{ cm}$

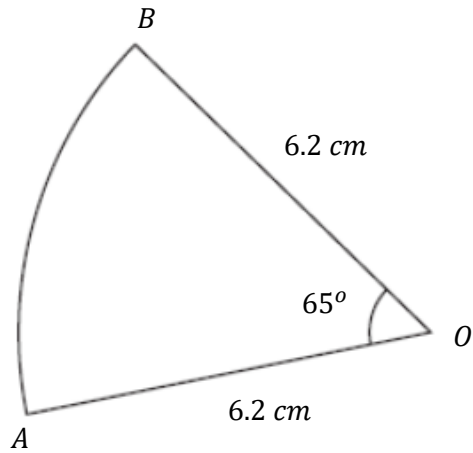
Calculate the area of the sector.  
Give your answer correct to 3 significant figures.

4 marks

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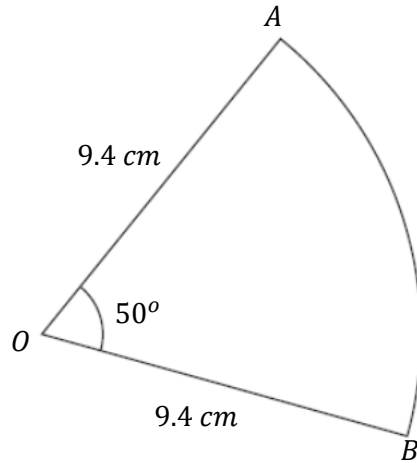
1. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the area of sector  $OAB$   
Give your answer correct to 1 decimal place.  **$21.8\text{ cm}^2$**

2 marks

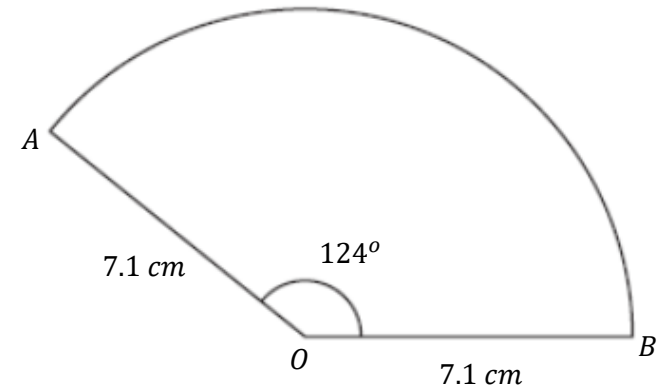
2. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the length of the arc  $AB$   
Give your answer correct to 1 decimal place.  **$8.2\text{ cm}$**

2 marks

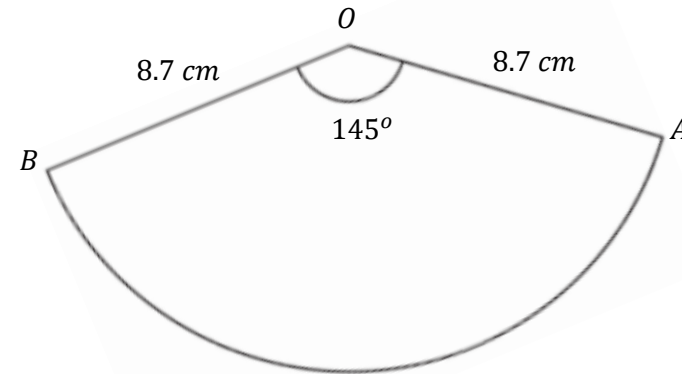
3. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the area of sector  $OAB$   
Give your answer correct to 1 decimal place.  **$54.5\text{ cm}^2$**

2 marks

4. The diagram shows sector  $OAB$  of a circle, centre  $O$



Calculate the perimeter of sector  $OAB$   
Give your answer correct to 1 decimal place.  **$39.4\text{ cm}$**

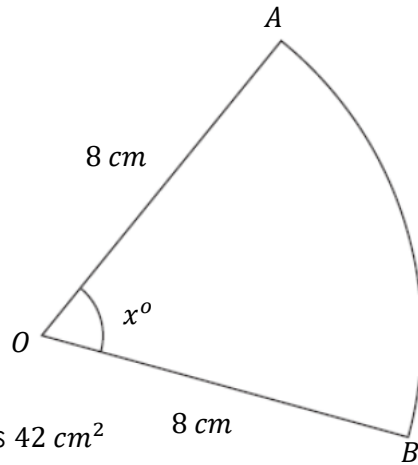
3 marks

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5. The diagram shows sector  $OAB$  of a circle, centre  $O$



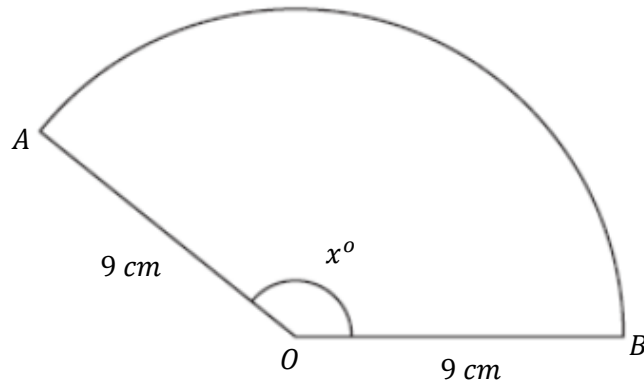
The area of the sector is  $42\text{ cm}^2$

Calculate the size of angle  $x$   
Give your answer correct to 3 significant figures.

**75.2°**

3 marks

6. The diagram shows sector  $OAB$  of a circle, centre  $O$



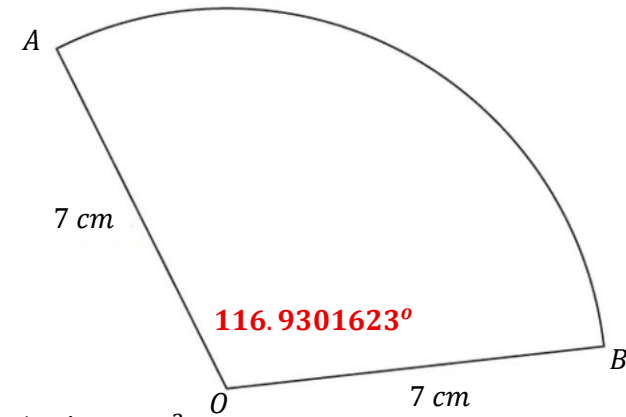
The perimeter of the sector is  $41\text{ cm}$

Calculate the size of angle  $x$   
Give your answer correct to 3 significant figures.

**146°**

4 marks

7. The diagram shows sector  $OAB$  of a circle, centre  $O$



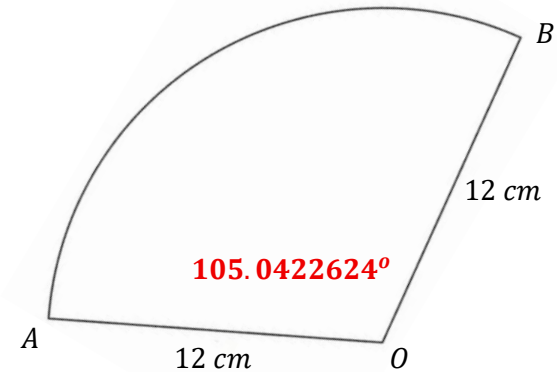
The area of the sector is  $50\text{ cm}^2$

Calculate the perimeter of the sector.  
Give your answer correct to 3 significant figures.

**28.3 cm**

4 marks

8. The diagram shows sector  $OAB$  of a circle, centre  $O$



The perimeter of the sector is  $46\text{ cm}$

Calculate the area of the sector.  
Give your answer correct to 3 significant figures.

**132 cm²**

4 marks

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