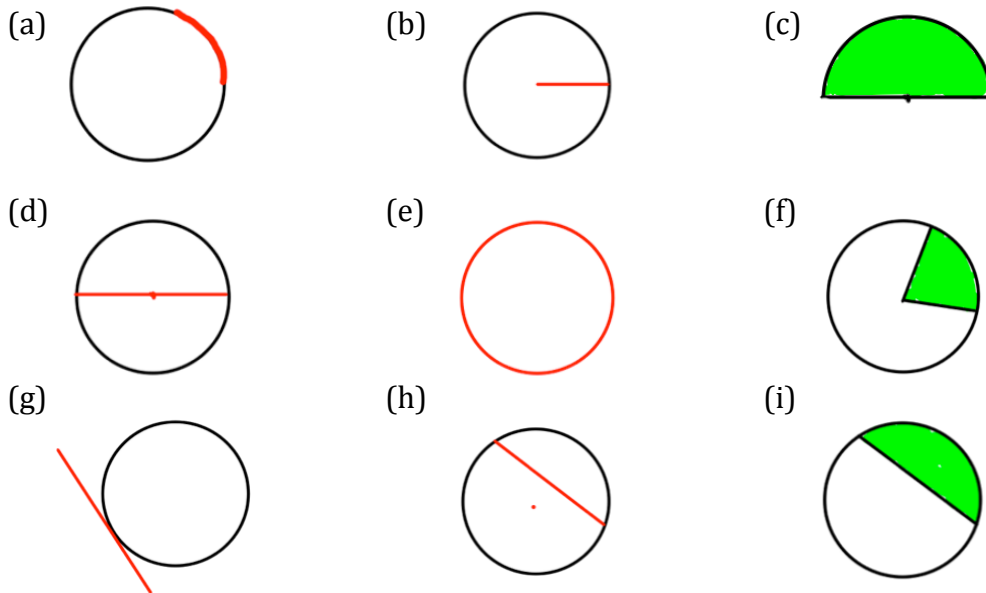


## Workout

Question 1: Name the parts of the circle shown in each diagram



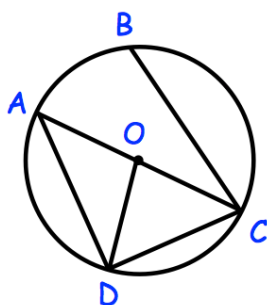
Question 2: Draw a diagram to show each of these parts of the circle

- |            |              |                   |
|------------|--------------|-------------------|
| (a) Radius | (b) Diameter | (c) Circumference |
| (d) Chord  | (e) Segment  | (f) Tangent       |
| (g) Sector | (h) Arc      |                   |

Question 3: Draw a circle with

- |                        |                       |                         |
|------------------------|-----------------------|-------------------------|
| (a) A radius of 4cm    | (b) A radius of 6cm   | (c) A diameter of 6cm   |
| (d) A diameter of 10cm | (e) A radius of 2.5cm | (f) A diameter of 8.4cm |

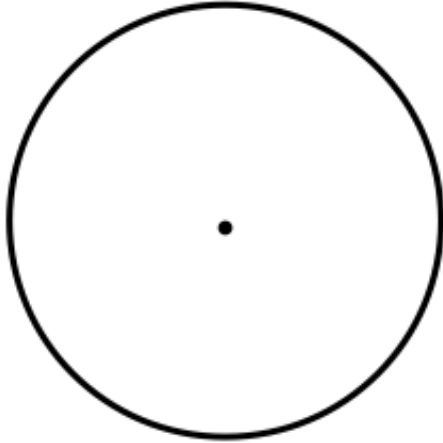
Question 4: Shown is a circle, centre O. What is the name given to each of the following straight lines



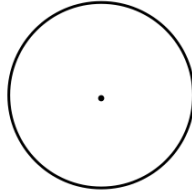
- |        |        |        |        |
|--------|--------|--------|--------|
| (a) OA | (b) AC | (c) CO | (d) CD |
| (d) CA | (e) OD | (f) AD | (g) BC |

Question 5: Measure the radius of each of these circles.

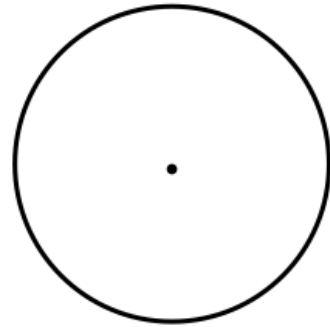
(a)



(b)



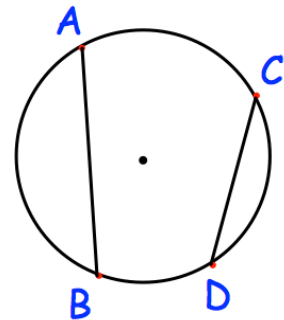
(c)



### Apply

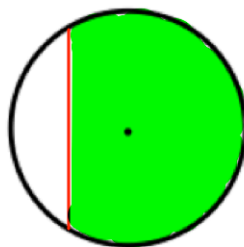
- Question 1:
- Draw a circle and draw a tangent to any point of the circle.
  - Draw a radius from the centre of the circle to the point where the tangent meets the circle.
  - Measure the angle between the tangent and the radius.

- Question 2:
- Draw a circle with two chords, AB and CD.
  - Construct the perpendicular bisector of AB
  - Construct the perpendicular bisector of CD
  - What do you notice about where the two perpendicular bisectors meet?



Question 3: Orla has answered this question. Is she correct?

Draw and shade in a segment of the circle.



(1)