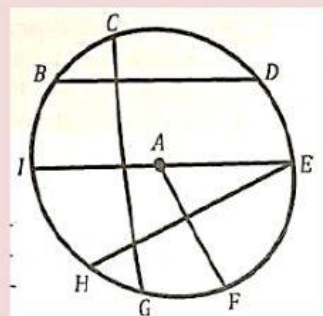


1.(A) Look at the figure given below & write 'Yes' or 'No' for each of the following statement.

- | | |
|--|----------|
| (i) $\overline{BD}$ is longest chord. | Yes / No |
| (ii) AE is radius. | Yes / No |
| (iii) IE is diameter but not chord. | Yes / No |
| (iv) $\overline{BD}$, $\overline{EH}$, $\overline{CG}$ are chords but not diameters. | Yes / No |
| (v) 3 radial segment are drawn in given circle. | Yes / No |
| (vi) A is the centre of circle. | Yes / No |
| (vii) $m \overline{EI} > m \overline{EH}$ | Yes / No |
| (viii) $m \overline{EI} = 2 m \overline{AF}$ | Yes / No |



(B) Fill in the blanks according to figure given at right.

- (i) _____ is the centre of circle.
- (ii) $m \overline{AQ} = m$ _____
- (iii) $m \overline{AT}$ _____ $m \overline{TQ}$ (Insert : $<$, $>$)
- (iv) _____ is the chord but not the diameter.
- (v) The shaded region is called _____.
- (vi) _____ is the largest chord of given circle.
- (vii) _____ and _____ are radial segments of given circle.



(C) Encircle(only one) best answer from the given options.

- (i) Radius is _____ of diameter.

(a) double	(b) Half	(c) twice	(d) both 'a' & 'c'
------------	----------	-----------	--------------------
- (ii) Diameter is _____ of radius.

(a) half	(b) double	(c) twice	(d) both 'c' & 'b'
----------	------------	-----------	--------------------
- (iii) The line segment which joins centre of circle to any point of the boundary is called :

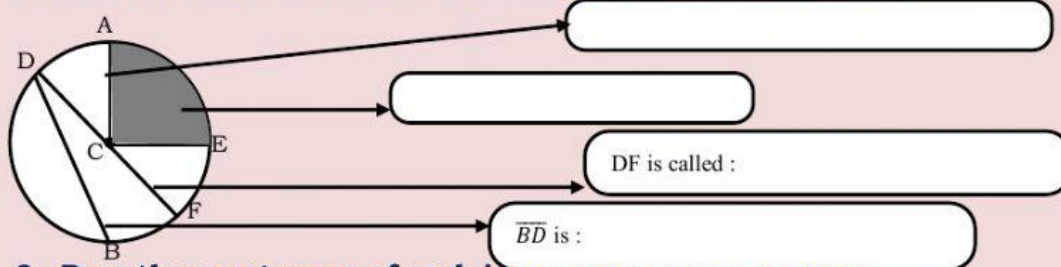
(a) Radial segment	(b) radius	(c) chord	(d) diameter
--------------------	------------	-----------	--------------
- (iv) The region enclosed by two radial segments & their corresponding arc is called

(a) chord	(b) segment	(c) circle	(d) sector
-----------	-------------	------------	------------
- (v) Which is the longest chord of circle?

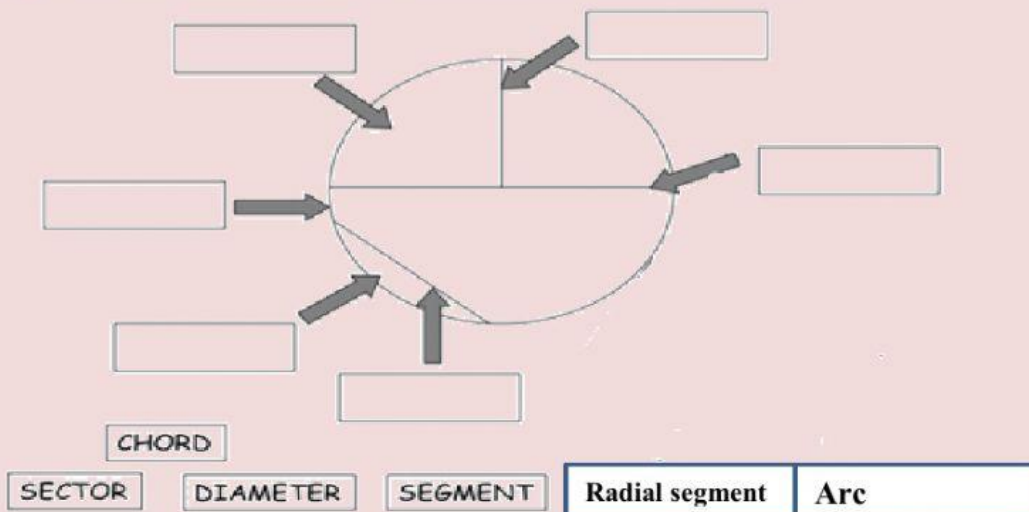
(a) diameter	(b) radial segment
(c) both 'a' & 'b'	(d) radius
- (vi) A line segment which joins any two points of boundary of circle but does not passes through the centre is called:

(a) diameter	(b) radius	(c) segment	(d) chord
--------------	------------	-------------	-----------

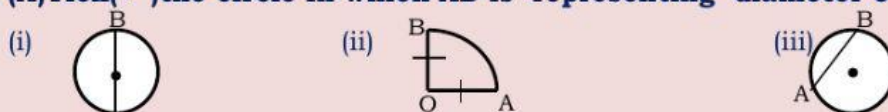
2. Write the name of each of the indicated elements of circle.



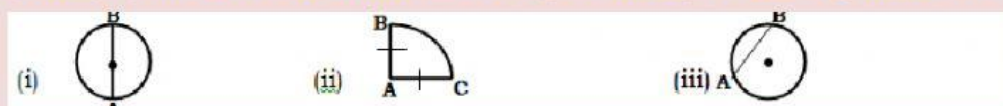
3. Drag the exact name of each indicated element of circle.



4. (A) Tick (✓) the circle in which AB is representing diameter of a circle.



(B) Tick (✓) the circle in which AB is representing radial segment of a circle.



(C) Guess who am I, by choosing words from word bank only.

(i) I am the distance between any two points of boundary of circle. →

I am _____ part of boundary of circle.

(ii) I am the point inside the circle.

The distance between any boundary point of circle & me is always fixed. →

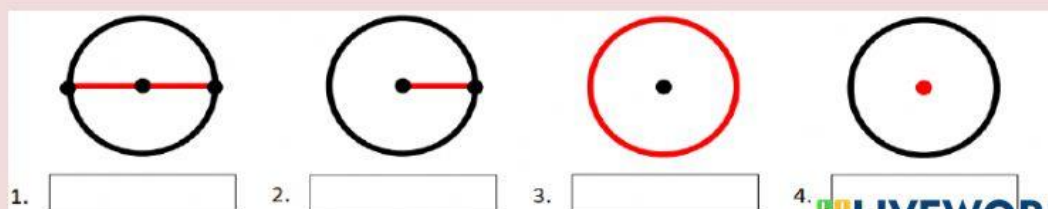
(iii) I am a constant ratio between circumference and diameter of circle. →

I am a Greek letter. I have no exact value.

Word bank

Pi (π), Arc, diameter, chord, radial segment, centre, sector, circumference

(D) Choose the name of red part of each of given circle.



1. _____

2. _____

3. _____

4. _____