

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) $\overline{AE}$ is radius.

Yes / No

(iii) $\overline{IE}$ 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.

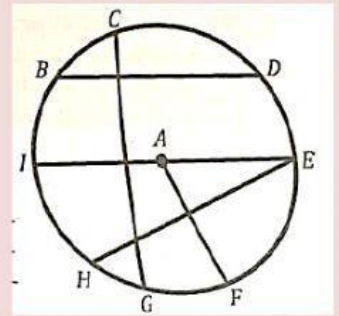
Yes / No

(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

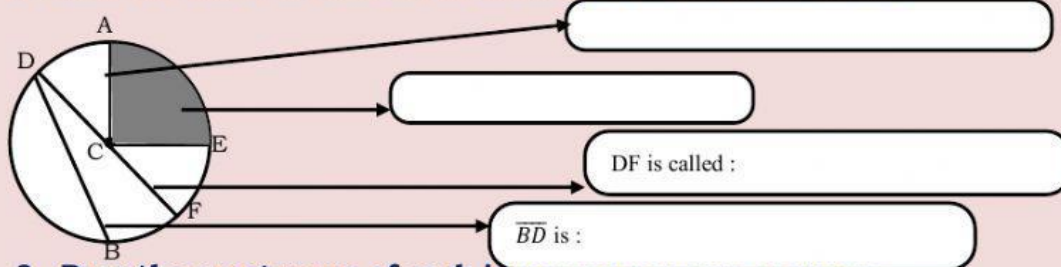
(v) Which is the longest chord of circle?

- (a) diameter (b) radial segment
(c) both 'a' & 'b' (d) radius

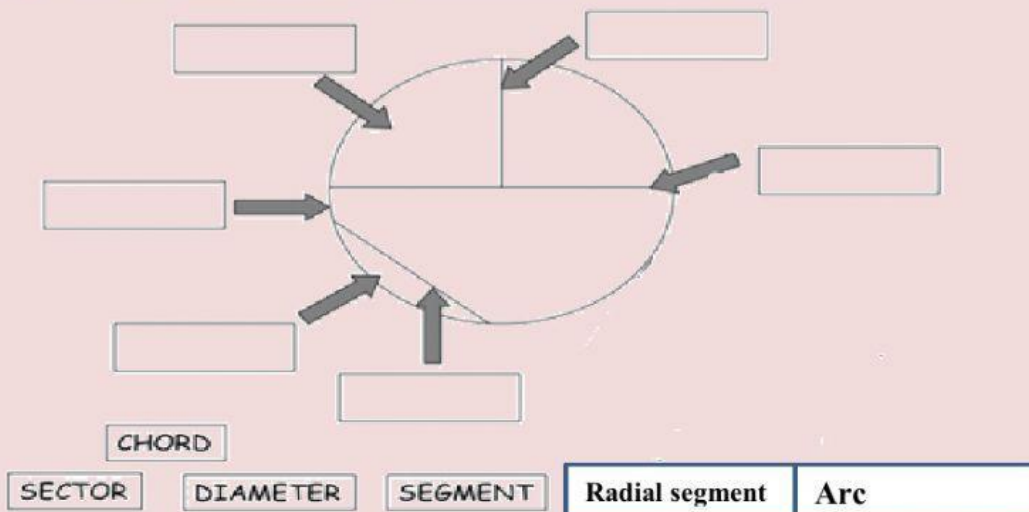
(vi) A line segment which joins any two points of boundary of circle but does not passes through the centre is called:

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

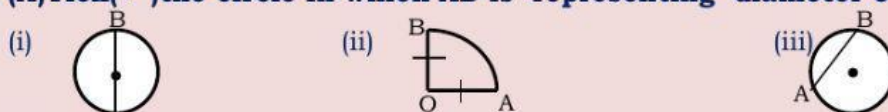
2. Write the name of each of the indicated elements of circle.



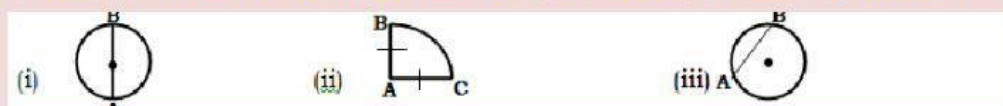
3. Drag the exact name of each indicated element of circle.



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.

