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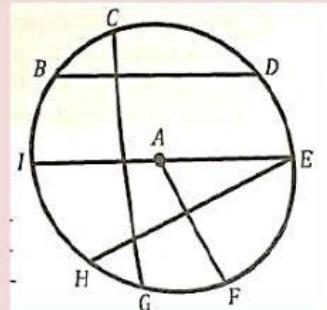
(B) Fill in the blanks according to figure given at right.

(i) _____ is the centre of circle.

(ii) m AQ = m _____

(iii) m AT _____ m TQ   (Insert : < , >)

(iv) _____ is the chord but not the diameter.
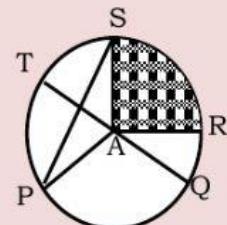
(v)The shaded region is called _____.

(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.

[Diagram of circle with points A, D, C, E, F, B and arrows pointing to answer boxes]

DF is called :

$\overline{BD}$ is :
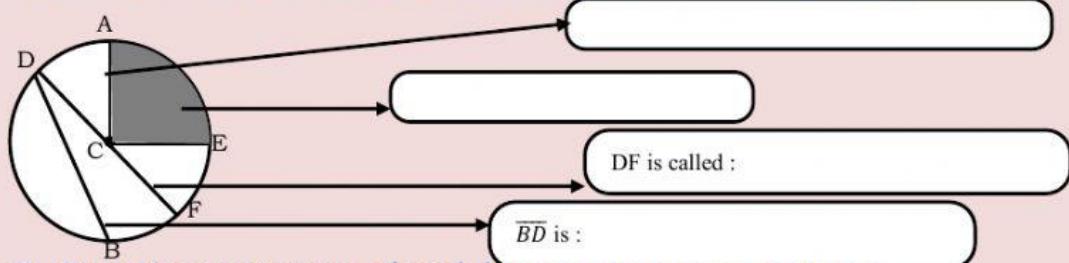
3. Drag the exact name of each indicated element of circle.

[Diagram of circle with arrows pointing to empty boxes]

CHORD

SECTOR   DIAMETER   SEGMENT   Radial segment   Arc
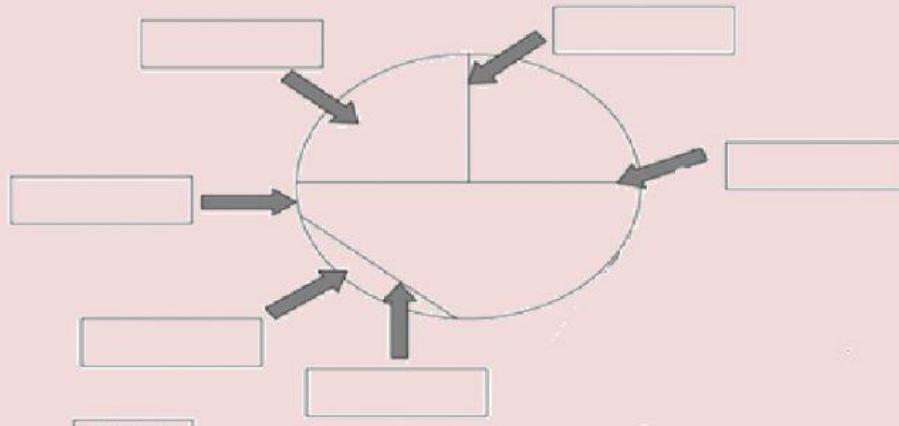
4. (A)Tick(✓)the circle in which AB is representing diameter of a circle.

(i) [circle with B and A]   (ii) [shape with B, O, A]   (iii) [circle with B, A]
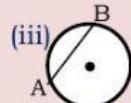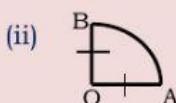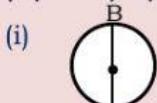
(B)Tick(✓)the circle in which AB is representing radial segment of a circle.

(i) [circle with B, A]   (ii) [shape with B, A, C]   (iii) [circle with B, A]
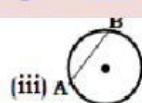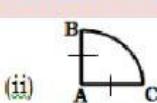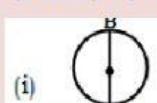
(C)Guess who am I , by choosing words from word bank only.

(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 .

[Four circles with red parts]

1. _____   2. _____   3. _____   4. _____

LIVEWORKSHEETS