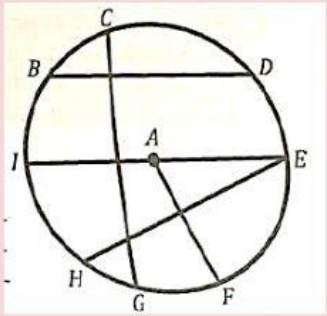
Roll No. _____ Name: _____ Section: _____

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

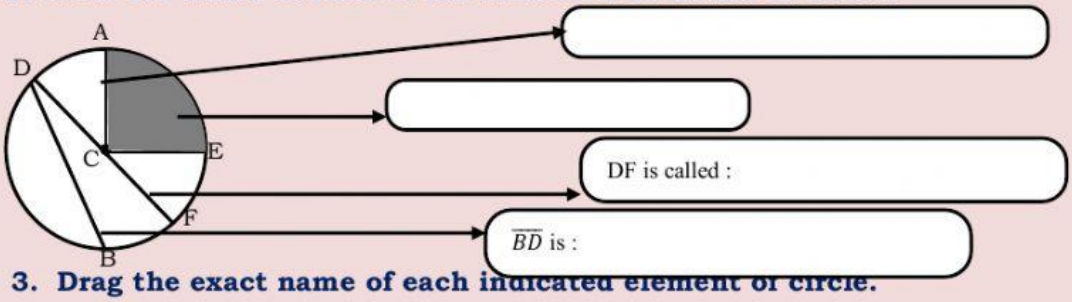
(vi) A line segment which joins any two points of boundary of circle but does not passes through the centre is called:

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

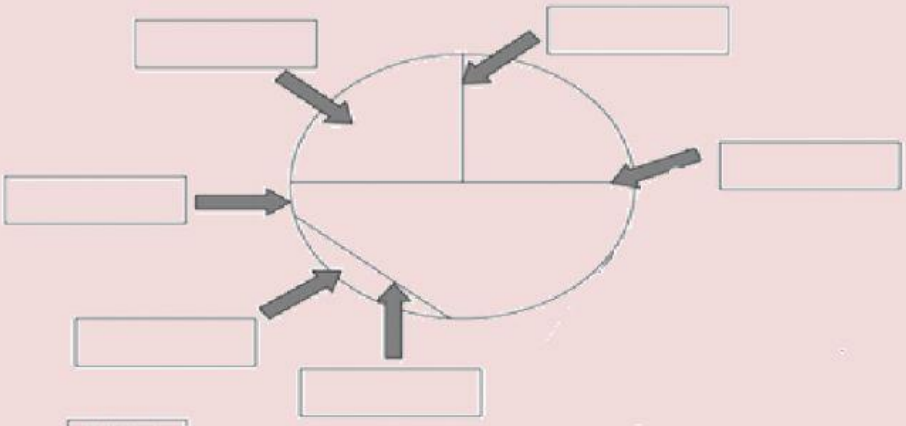
LIVEWORKSHEETS

Roll No. _____ Name: _____ Section: _____

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



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

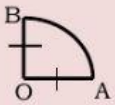


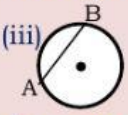
CHORD

SECTOR | DIAMETER | SEGMENT | Radial segment | Arc

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

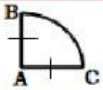
(i)

(ii) 

(iii) 

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

(i)

(ii) 

(iii)

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

Word bank

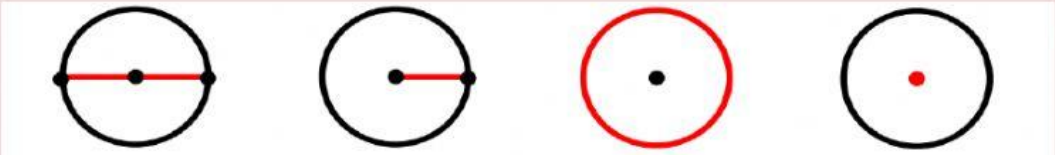
Pi (π) , Arc , diameter, chord radial segment , centre , sector, circumference

(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. →

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



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

LIVEWORKSHEETS