1.Draw a horizontal and vertical line AB
of 100 mm.

B

VERTICAL LINE

100

A   B

100

HORIZONTAL LINE

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Class:CSE ZETA
Roll No.:2211CS010547

C:\Engineering First Year\Semester-2\Computer Aided Engineering Graphics\Auto
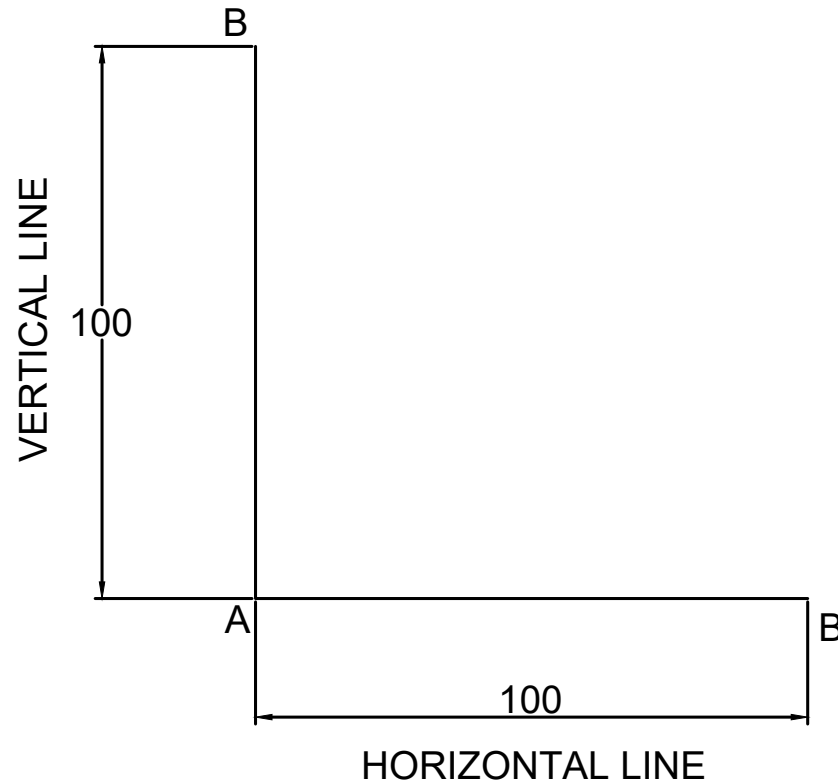
2.Draw an inclined line CD and EF of length 125 and 150 mm at an angle
of 65^0 and -35^0 respectively.

D

125

65°

C

G

E

35°

150

F
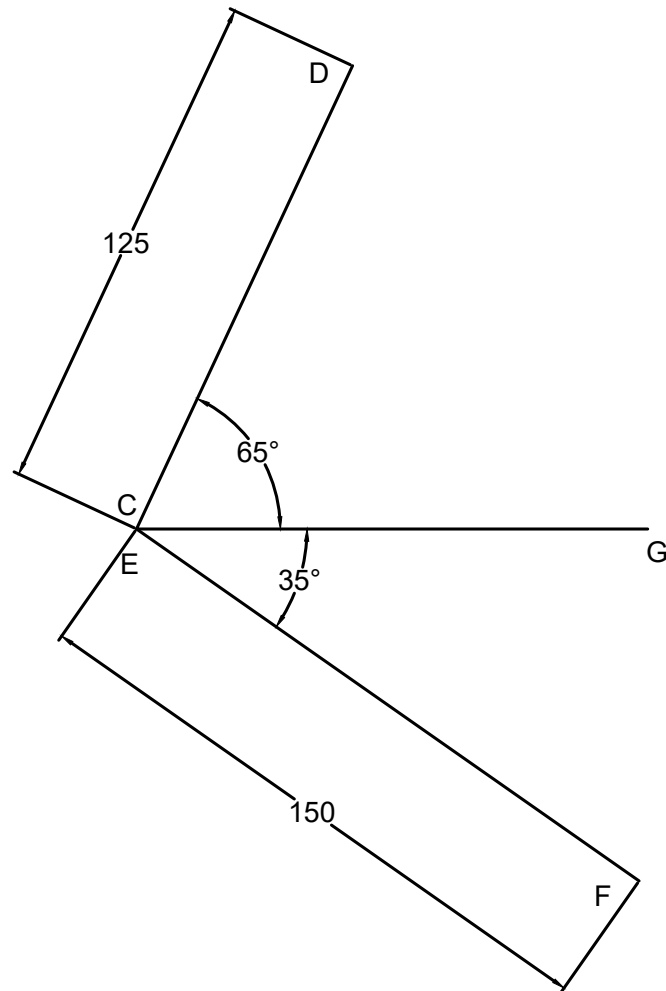
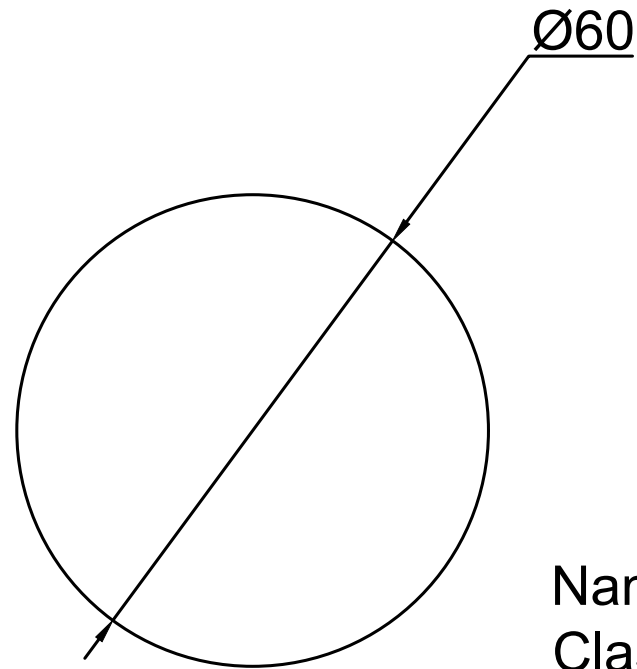Name:Subhapreet Patro
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3.Draw a 120 mm long line GI inclined at 60° to the horizontal. Erect a
perpendicular to GH of length 60 mm from point H , lying at a distance 30
mm from end G.

I

60

P

90°

120

30

H

60°

G

Q
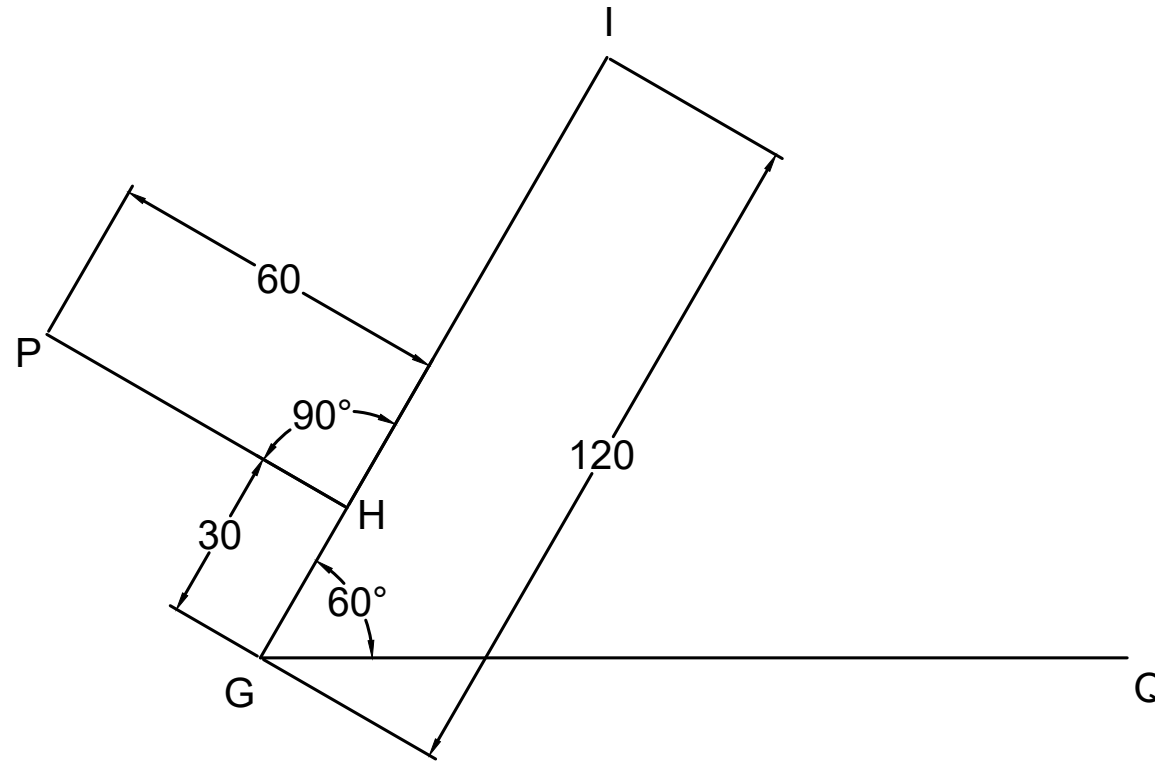
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4.Draw a Circle of diameter 60 mm.

Ø60

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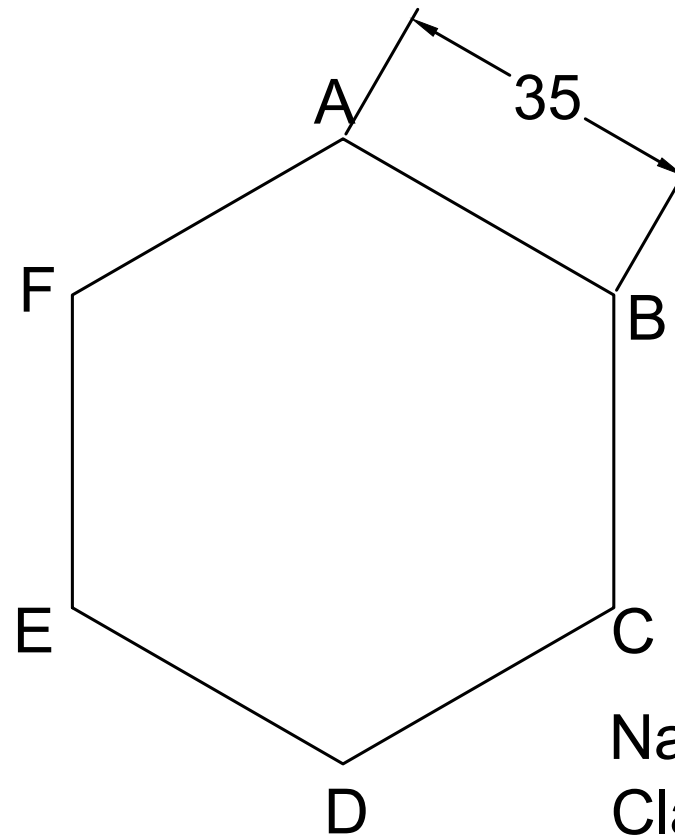Roll No.:2211CS010547

5.Draw a Rectangle of 70 * 30 mm.

A   B

D   C

30

70

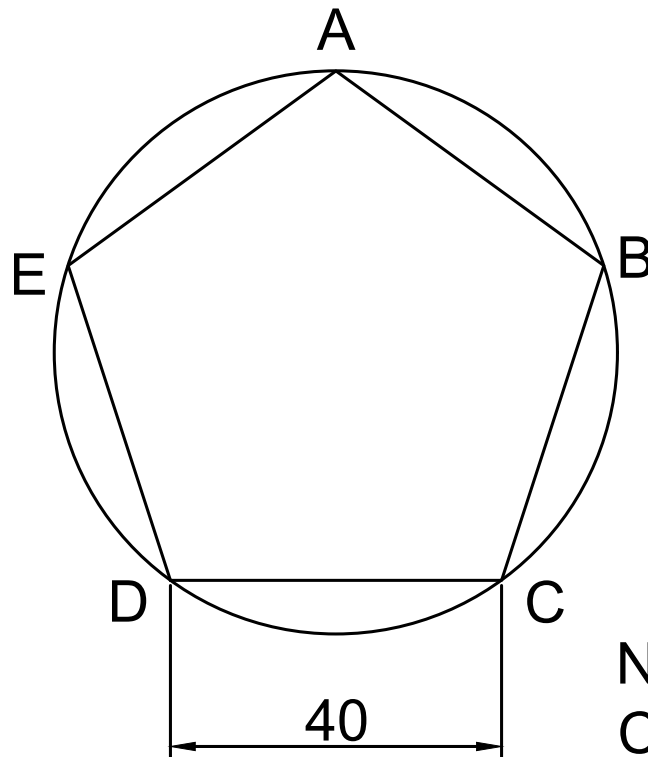Name:Subhapreet Patro
Class:CSE ZETA
Roll No.:2211CS010547

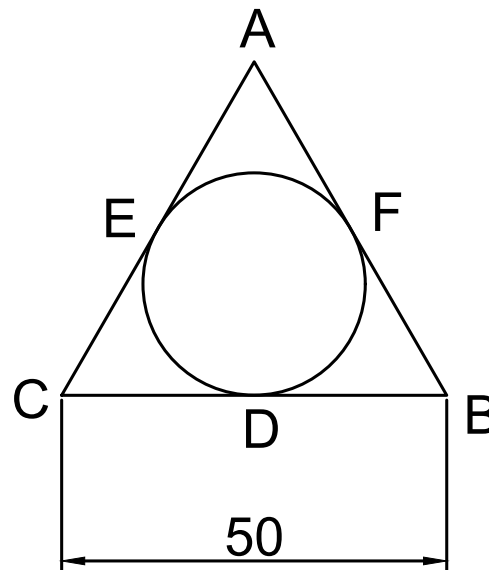6.Draw a hexagon of side 35 mm using Edge
Method.

35

A

F

B

E

C

D

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7.Draw a pentagon of 40 mm side using Inscribed in a Circle method.

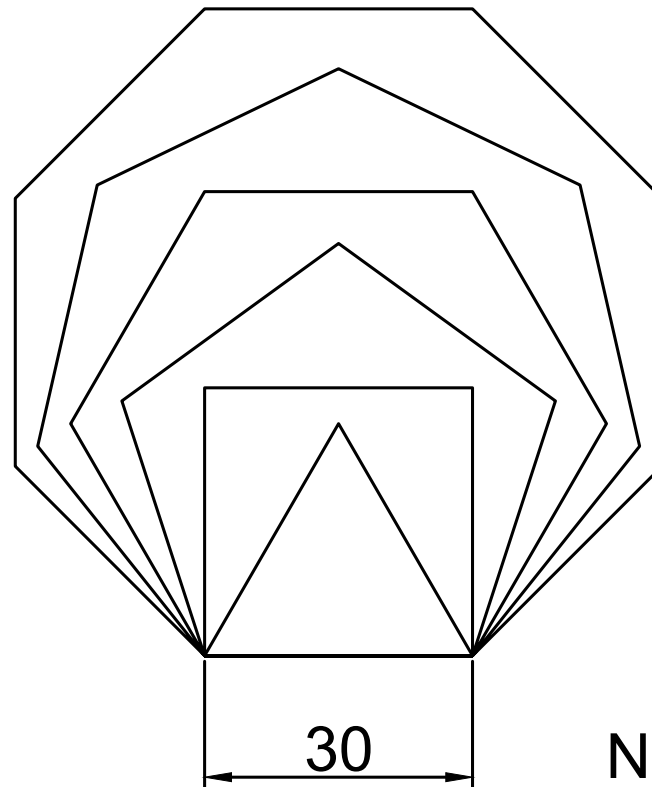Name:Subhapreet Patro
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8.Draw a Triangle of 50 mm side using Circumscribe about Circle method.

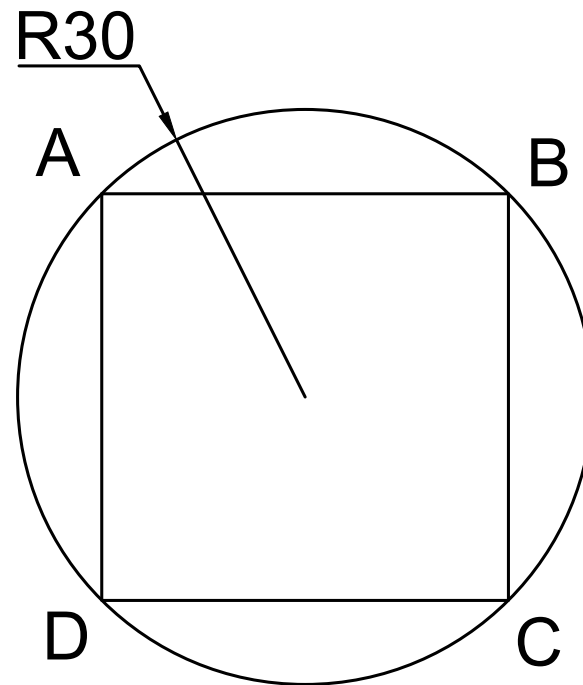
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9.Draw the polygon of 3,4,5,6,7,8 sides with a
common side of 30 mm.
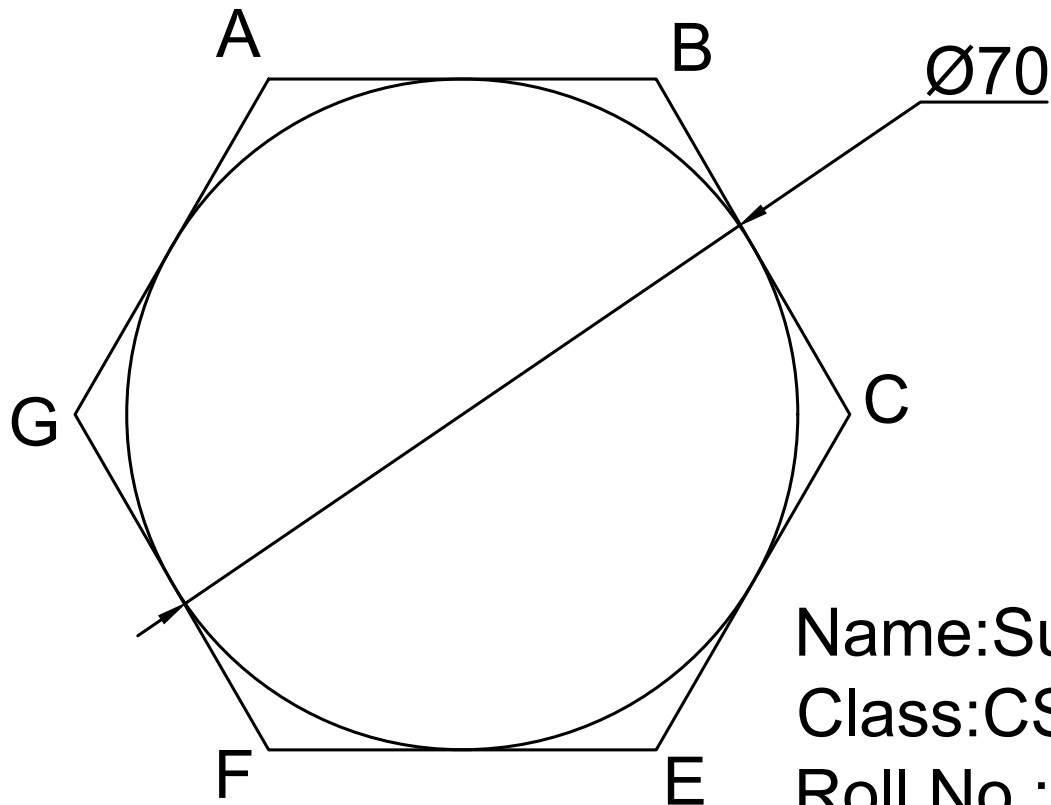

30

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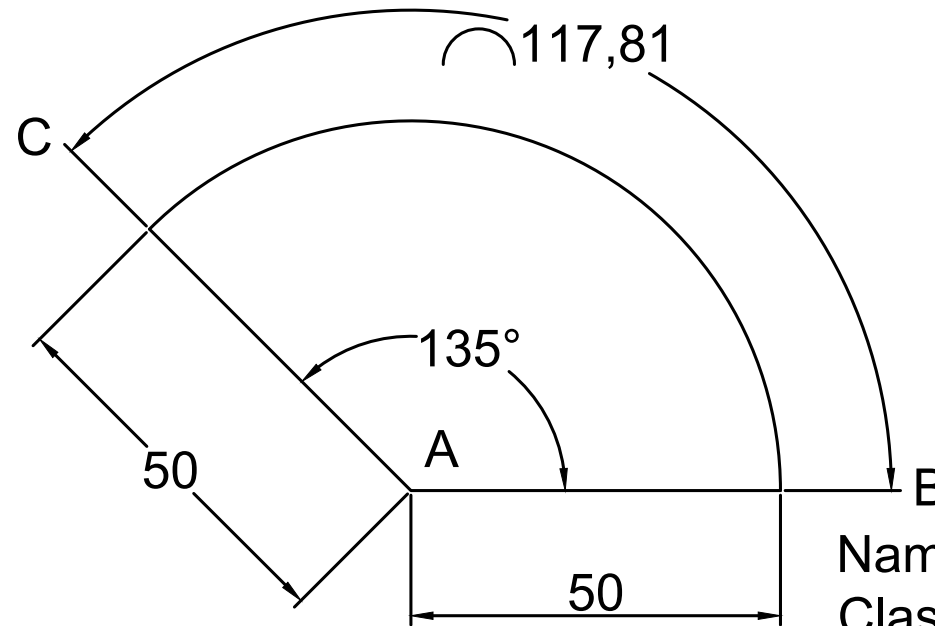
10.Draw a Square inscribed in a circle of radius 30 mm.

R30

A

B

D

C

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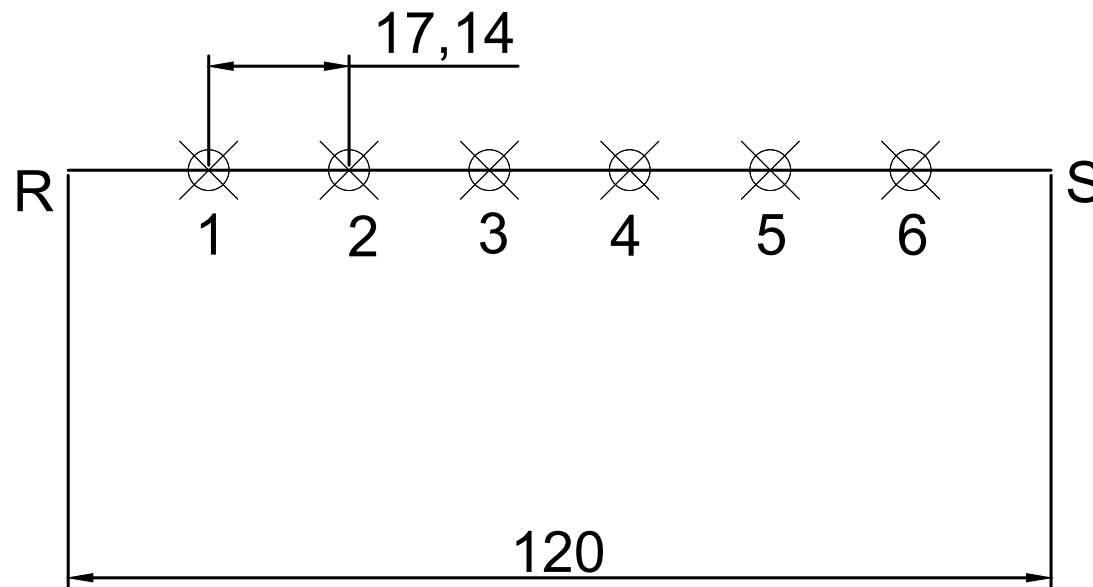11.Draw a hexagon circumscribed in a circle of diameter 70 mm.

Ø70

A   B

G   C

F   E

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12.Draw an arc of 50 mm radius connecting two straight lines with an angle of 135^0.

117,81

C

135°

50

A

B

50

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13.Divide a line RS of 120 mm into seven equal parts.

17,14

R 1 2 3 4 5 6 S

120
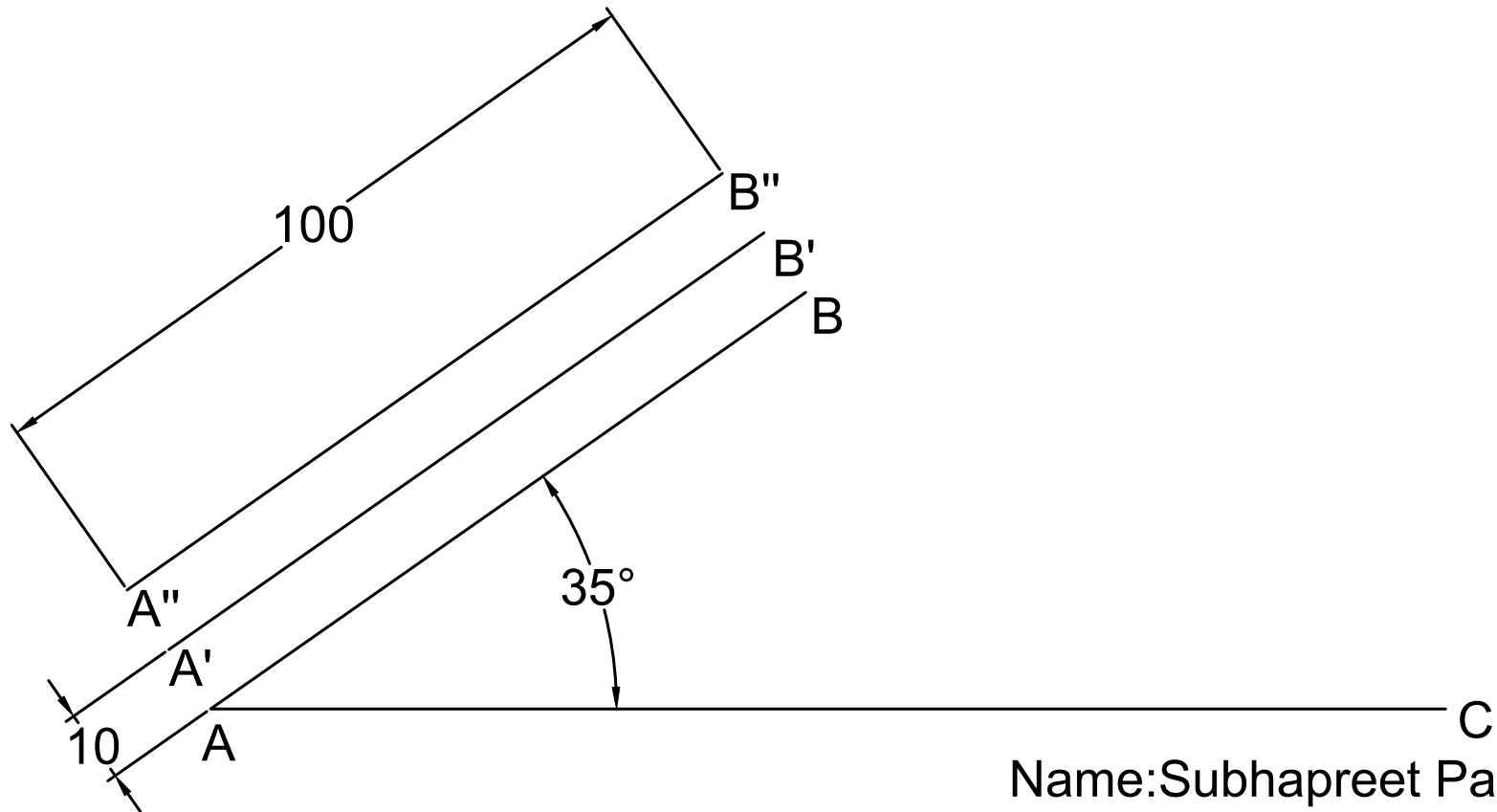
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14.Divide a Circle of 100 mm diameter into 12 equal parts.
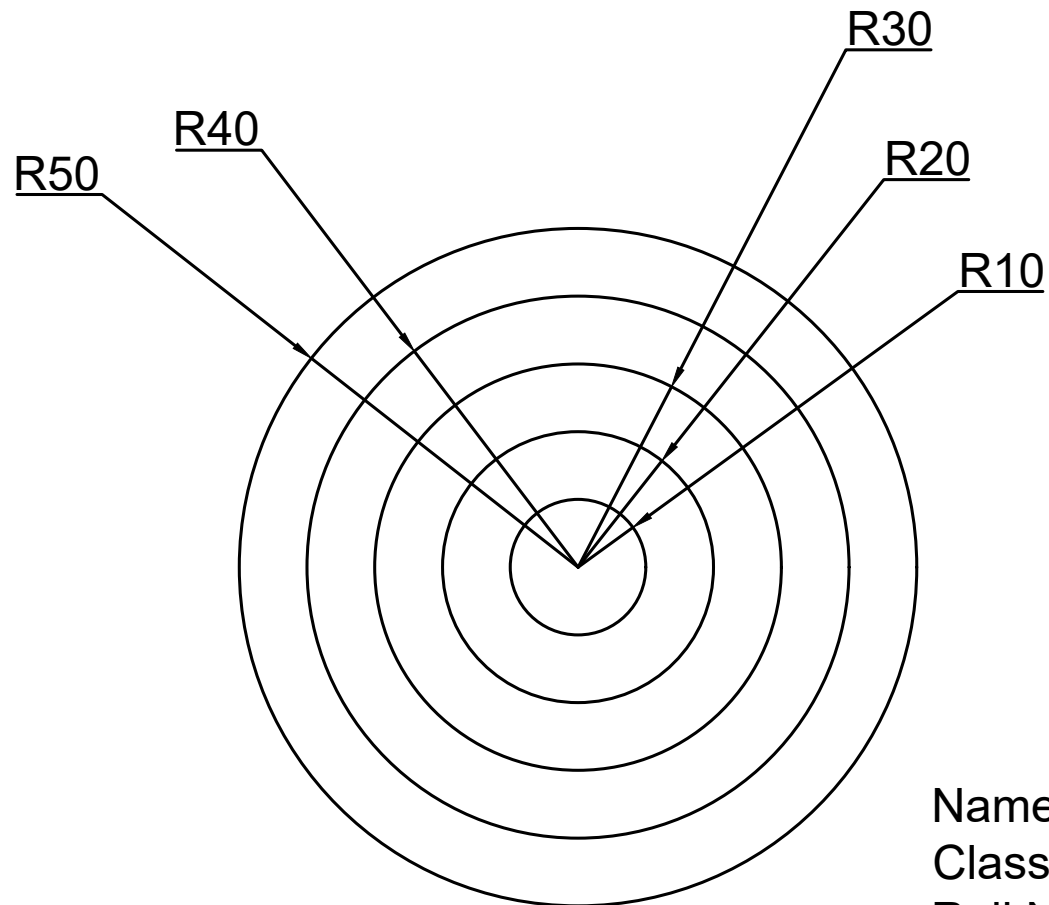
Ø100

25,88

1 2 3 4 5 6 7 8 9 10 11 12
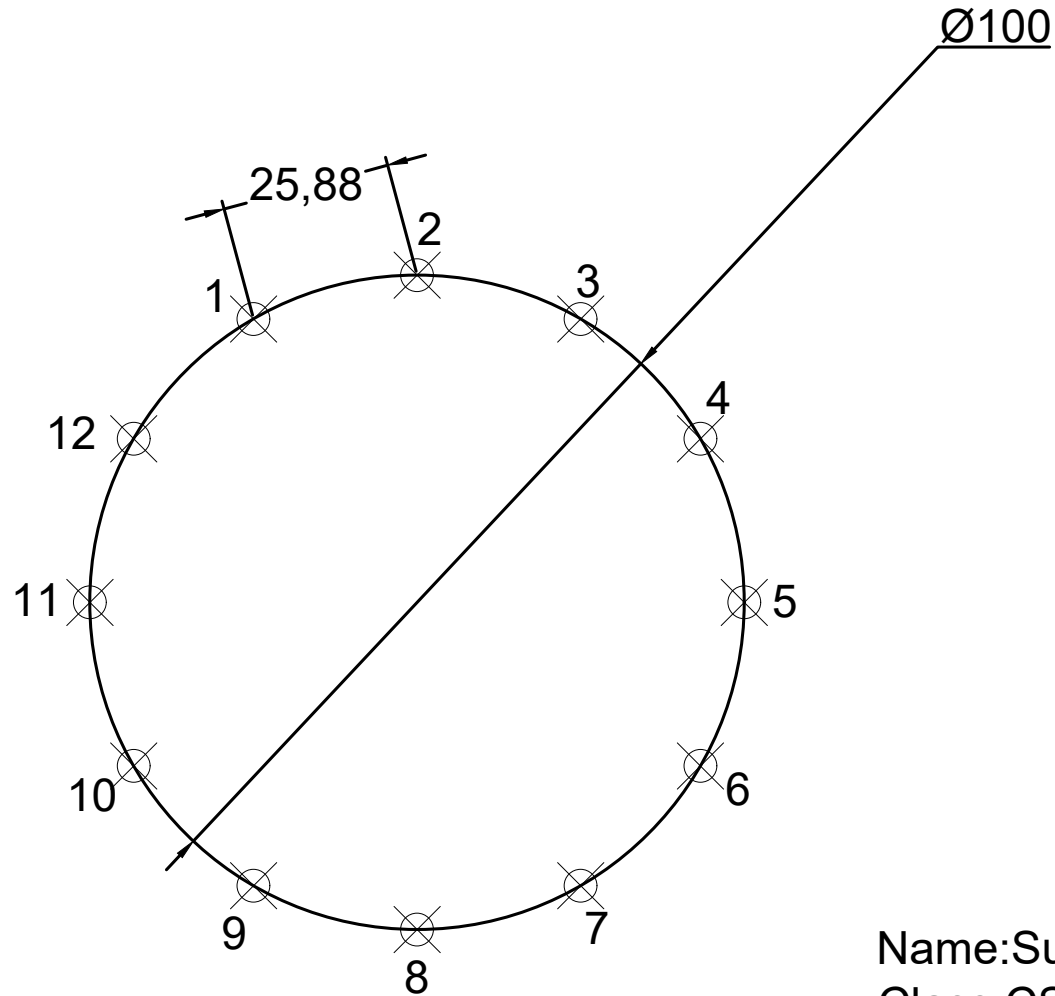
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15.Draw three parallel lines of length 100 mm at an angle of 35^0 to horizontal.

100

B"

B'

B

35°

A"

A'

10   A

C

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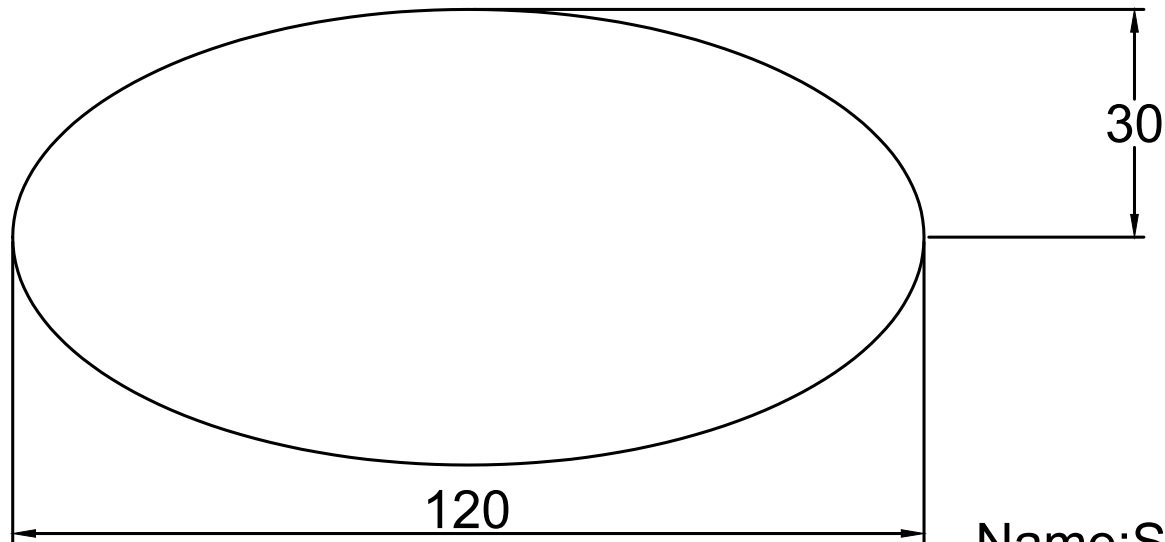Class:CSE ZETA
Roll No.:2211CS010547

16.Draw five concentric circles of 10 mm radius using offset.

R30

R40

R20

R50

R10

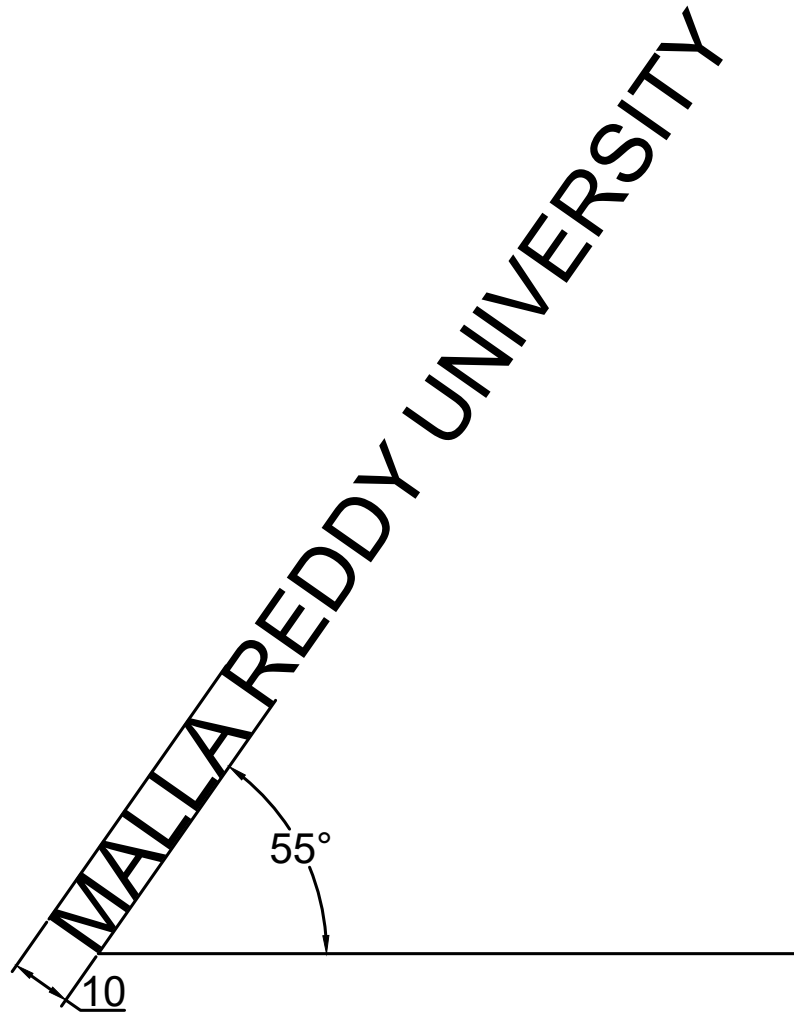Name:Subhapreet Patro
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17.Draw an ellipse with a major axis 120 mm and minor axis 60 mm.

30

120

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18.Write "MALLA REDDY UNIVERSITY" at an angle of 55^0 with 10 mm text height.

MALLA REDDY UNIVERSITY

55°

10

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19.Write "$ax^2+bx+c=0$" with 15 mm Bold italic text.

$$ax^2+bx+c=0$$

15

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