

	INDIAN SCHOOL AL WADI AL KABIR	
CLASS: XI	DEPARTMENT: SCIENCE 2024 – 25 SUBJECT: ENGINEERING GRAPHICS	DATE OF SUBMISSION: 30.01.2025
WORKSHEET NO: 6 WITH ANSWERS	UNIT 6: ISOMETRIC PROJECTION	NOTE: A4 FILE FORMAT
CLASS & SEC: XI C/G	NAME OF THE STUDENT:	ROLL NO.

MULTIPLE CHOICE QUESTIONS

- The isometric projection of a circle is _____.
a) Ellipse
b) Circle
c) Sphere
d) None of the above
- In isometric projection all the three principal axes are inclined at an angle of _____.
a) 30 degree
b) 45 degree
c) 120 degree
d) 90 degree
- The angle difference between true scale and isometric scale is _____.
a) 30 degree
b) 15 degree
c) 45 degree
d) None of the above
- The isometric length is measured in isometric scale at an angle of _____.
a) 90 degree
b) 45 degree
c) 30 degree
d) 20 degree
- The true length is measured in isometric scale at an angle of _____.
a) 15 degree
b) 90 degree
c) 45 degree
d) 30 degree

6. Isometric projection is smaller than actual drawings up to the value _____
- a) 82 %
 - b) 90 %
 - c) 75%
 - d) None of the above
7. The word isometric means _____
- a) unequal
 - b) equal measure
 - c) parallel
 - d) perpendicular
8. The lines which are parallel to the isometric axes are called _____
- a) Parallel lines
 - b) Perpendicular lines
 - c) Non-isometric lines
 - d) Isometric lines

Descriptive Type Questions

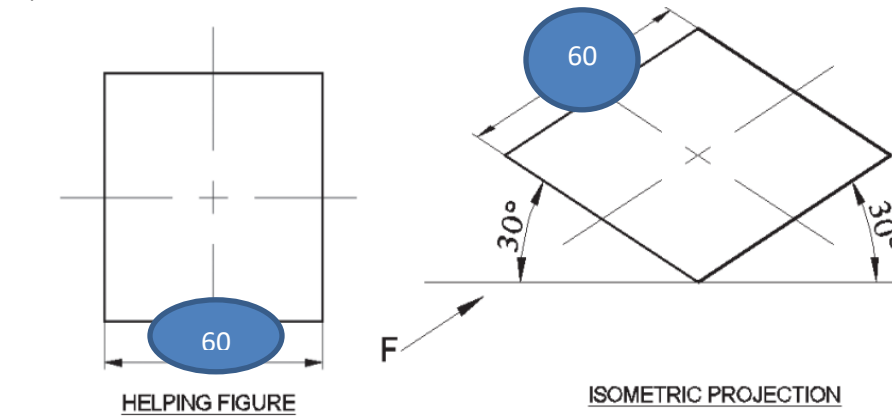
1. Draw the isometric projection of square of 60 mm in HP.
2. Draw the isometric projection of an equilateral triangle of 35 mm in VP.
3. Draw the isometric projection of pentagon of 30 mm in HP.
4. Draw the isometric projection of hexagon of 50 mm in VP
5. Draw the isometric projection of a rectangle ABCD having $AB = 40$ mm and $AD = 60$ mm, standing on the horizontal plane on one of its sides AB.
6. Draw the isometric projection of circle of 50 mm diameter having its surface parallel to HP.

MULTIPLE CHOICE QUESTIONS
ANSWERS

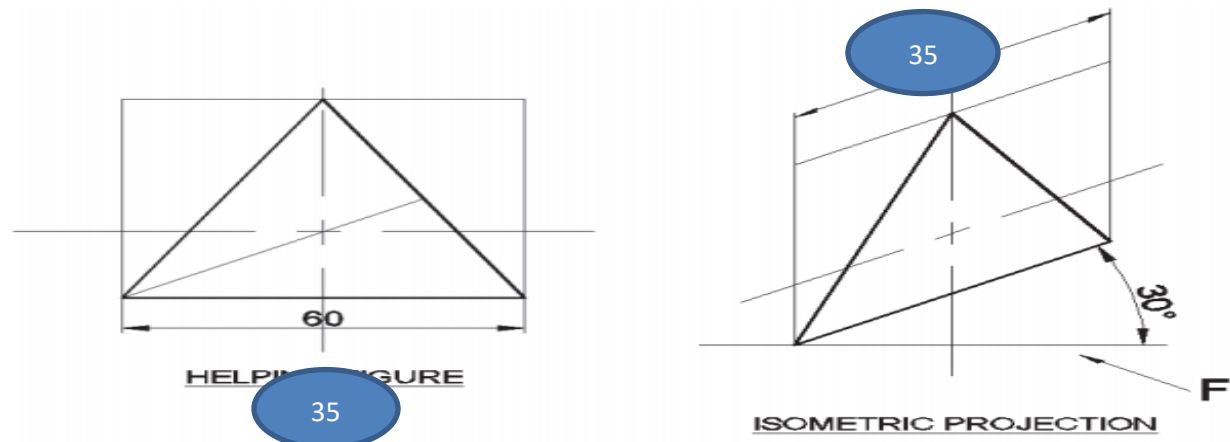
S.NO	ANSWERS
1.	a) Ellipse
2.	c) 120 degree
3.	b) 15 degree
4.	c) 30 degree
5.	c) 45 degree
6.	a) 82%
7.	b) equal measure
8.	d) isometric lines

SOLUTIONS FOR DRAWINGS

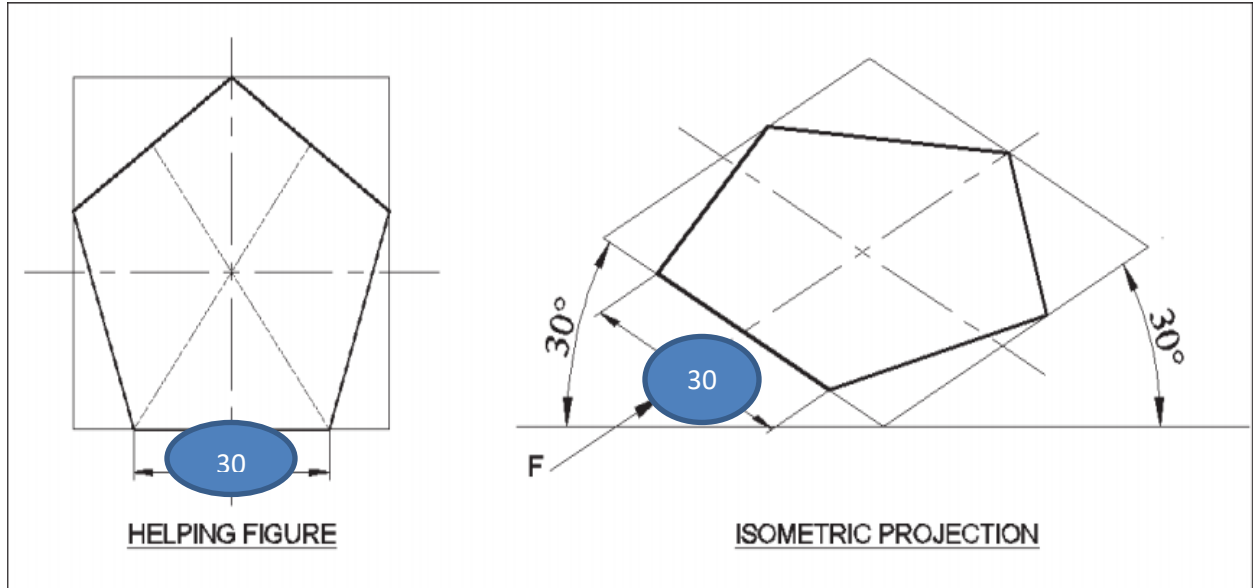
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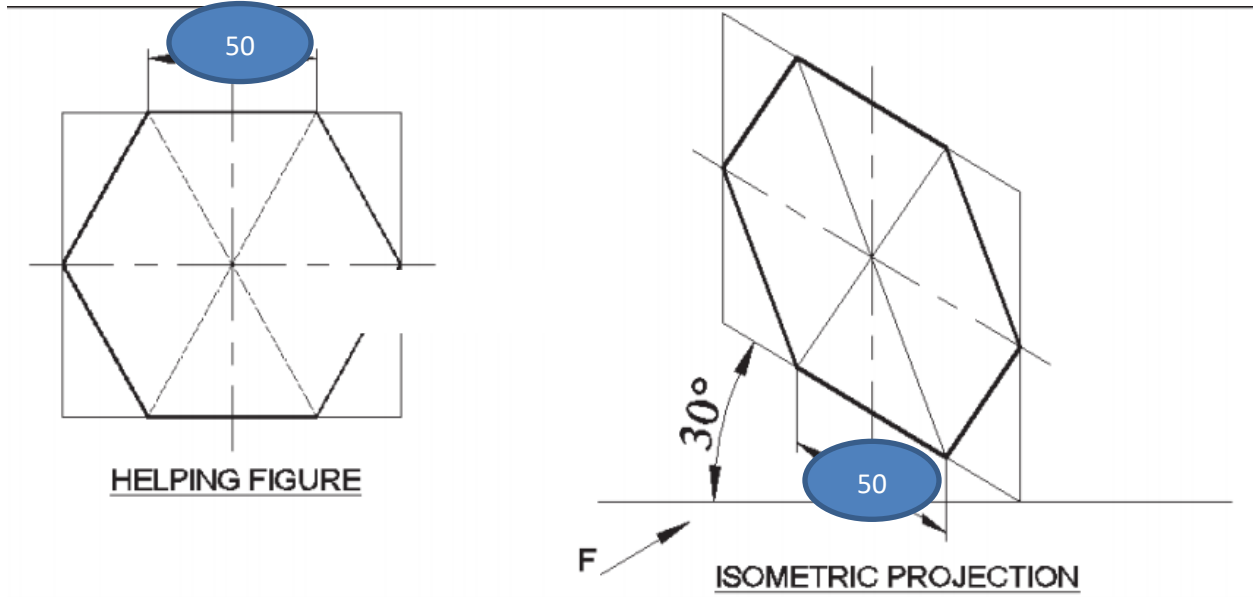
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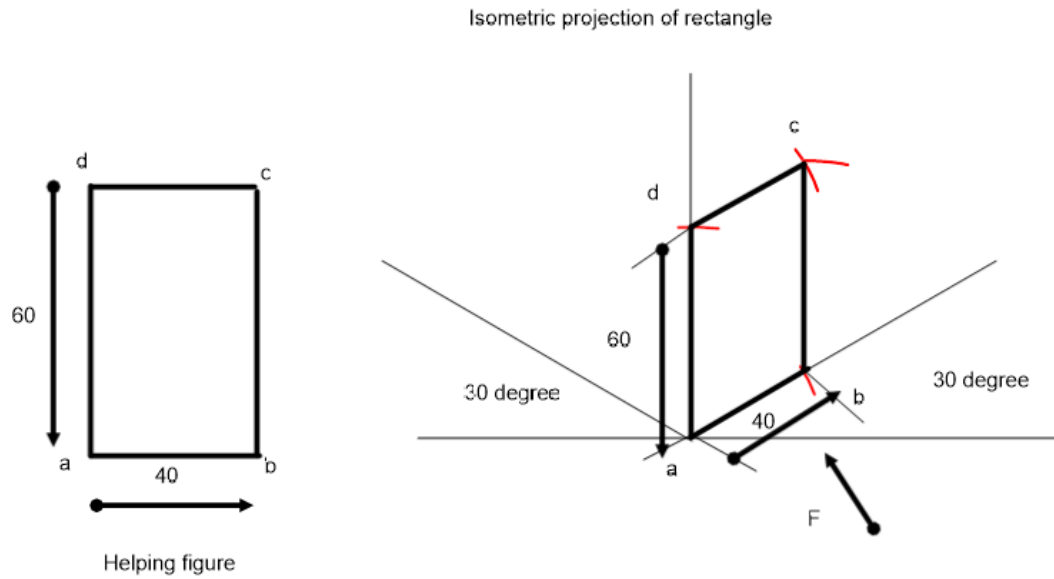
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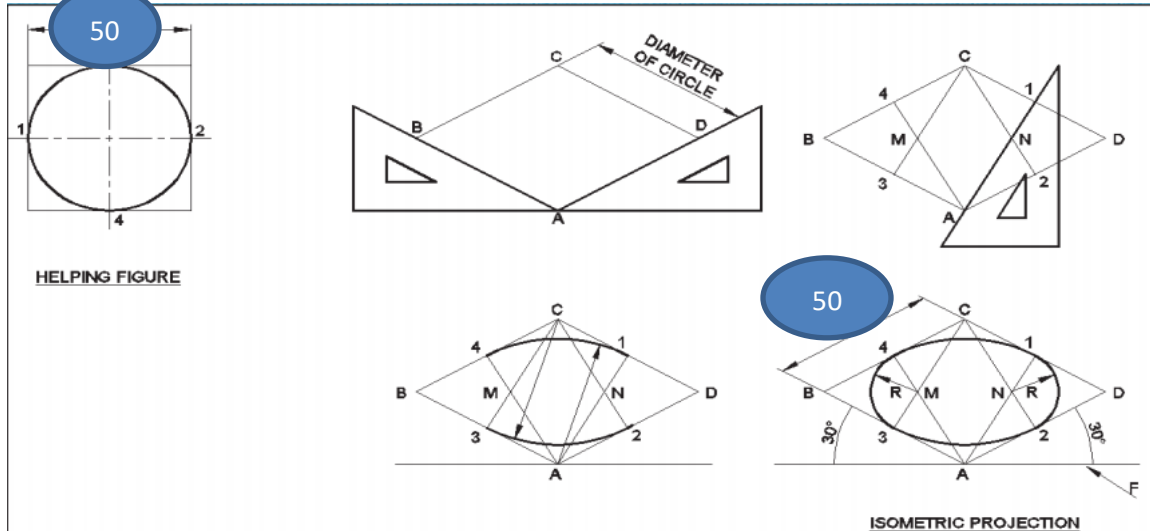
4.



5.



6.



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