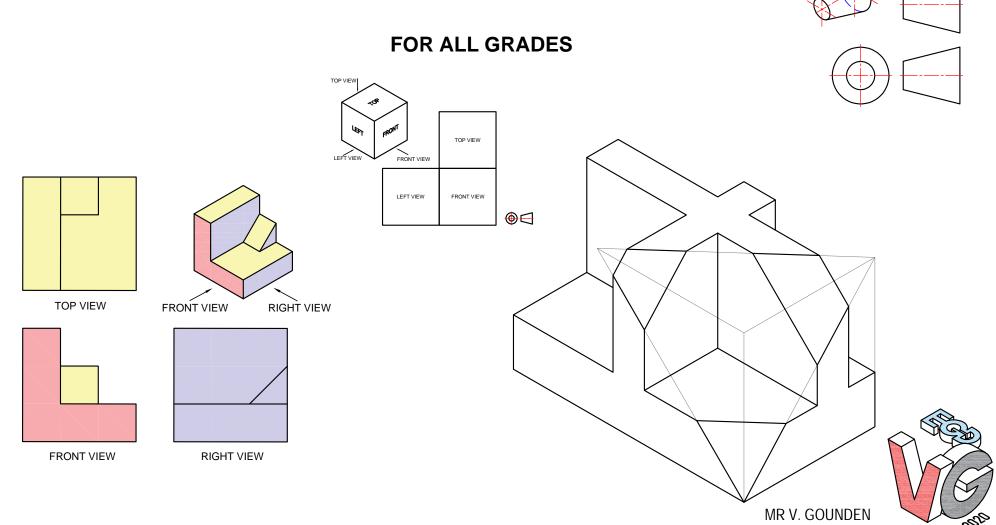
ORTHOGRAPHIC DRAWING 3rd ANGLE

WORKSHEETS - MECHANICAL CASTINGS



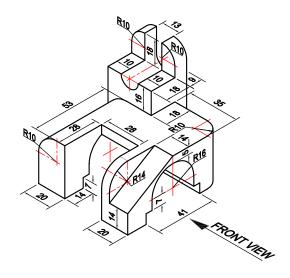
QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The left view

Show all hidden detail and centre line. Label the views Draw the symbol of projection







SCALE	
1:1	

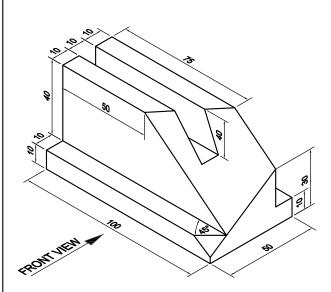
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QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The right view

Show all hidden detail and centre line. Label the views Draw the symbol of projection







SCALE	
1:1	

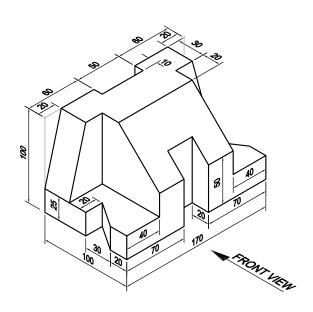
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QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:2, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The left view

Show all hidden detail and centre line. Label the views Draw the symbol of projection







SKD ANGLE	ORTHOGRAPHIC PROJECTION

SCALE	
1:2	

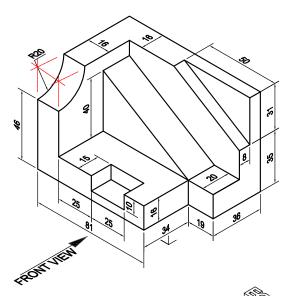
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QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The right view

Show all hidden detail and centre line. Label the views Draw the symbol of projection





	ORTHOGRAPHIC	
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SCALE 1:1

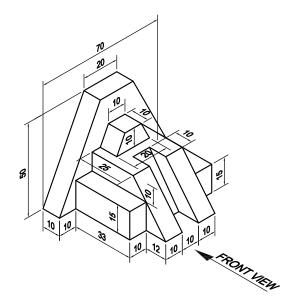
NAME	DATE
GRADE / DIV.	

QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The left view

Show all hidden detail and centre line. Label the views Draw the symbol of projection

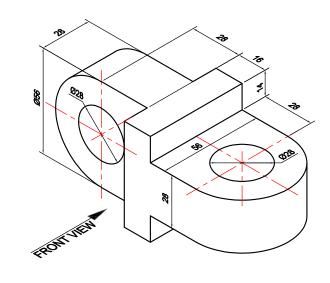




3RD ANGLE ORTHOGRAPHIC PROJECTION

SCALE 1:1 NAME DATE

GRADE / DIV.





EXERCISE 6 QUESTION

Given above is an isometric view with dimensions of a shaped block. Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The right view

Show all hidden detail and centre line. Label the views Draw the symbol of projection



3RD ANGLE ORTHOGRAPHIC PROJECTION

SCALE 1:1 NAME DATE

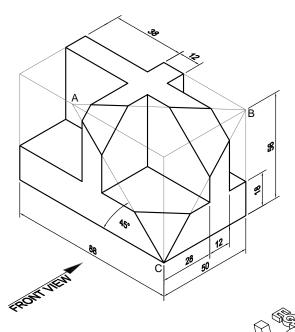
GRADE / DIV.

QUESTION

Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The right view

Show all hidden detail and centre line. Label the views Draw the symbol of projection



SCALE 1:1

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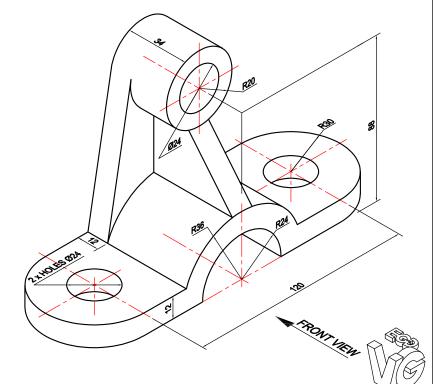
QUESTION

Given below is an isometric view with dimensions of a shaped block. Using the information given, and scale 1:2, draw the following views in 3rd angle orthographic projection:

- The front view (as shown by the arrow)
- 1.2 The top view
- The left view

Show all hidden detail and centre line. Label the views

Draw the symbol of projection





3RD ANGLE ORTHOGRAPHIC PROJECTION

SCALE 1:2

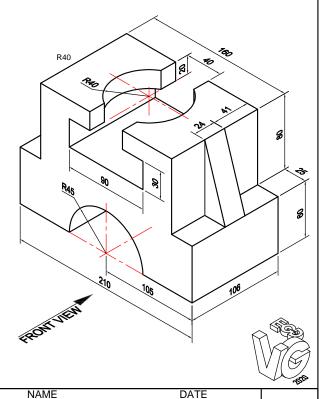
NAME DATE GRADE / DIV.

QUESTION

Given below is an isometric view with dimensions of a shaped block. Using the information given, and scale 1:2, draw the following views in 3rd angle orthographic projection:

- The front view (as shown by the arrow)
- 1.2 The top view
- The right view

Show all hidden detail and centre line. Label the views Draw the symbol of projection





SCALE

1:2

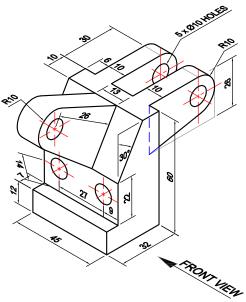
GRADE / DIV.

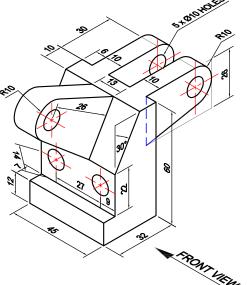
EXERCISE 10 QUESTION

Given below is an isometric view with dimensions of a shaped block. Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection:

- The front view (as shown by the arrow)
- 1.2 The top view
- The left view

Show all hidden detail and centre line. Label the views Draw the symbol of projection







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SCALE 3RD ANGLE ORTHOGRAPHIC PROJECTION

1:1

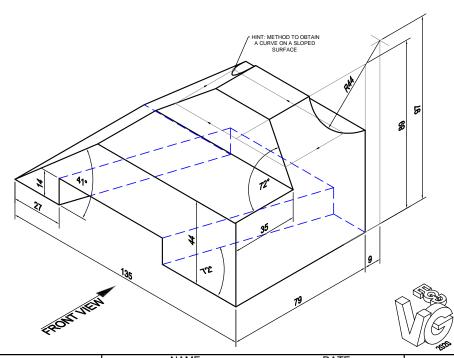
NAME DATE GRADE / DIV.

QUESTION

Given below is an isometric view with dimensions of a shaped block. Using the information given, and scale 1:2, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The right view

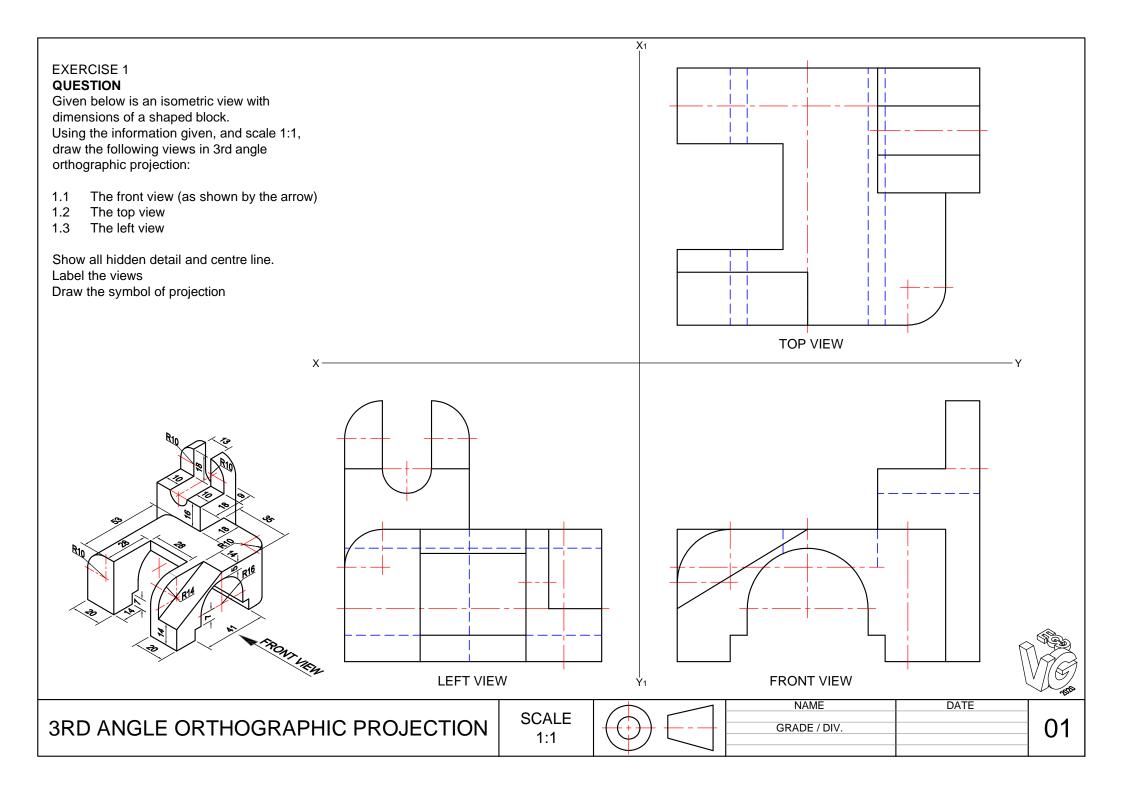
Show all hidden detail and centre line. Label the views Draw the symbol of projection



3RD ANGLE ORTHOGRAPHIC PROJECTION

SCALE 1:2 NAME DATE

GRADE / DIV.



EXERCISE 2 QUESTION Given below is an isometric view with X1 dimensions of a shaped block. Using the information given, and scale 1:1, draw the following views in 3rd angle orthographic projection: The front view (as shown by the arrow) 1.1 1.2 The top view 1.3 The right view Show all hidden detail and centre line. Label the views Draw the symbol of projection **TOP VIEW** FRONT VIEW **RIGHT VIEW** NAME DATE SCALE 02 3RD ANGLE ORTHOGRAPHIC PROJECTION GRADE / DIV. 1:1

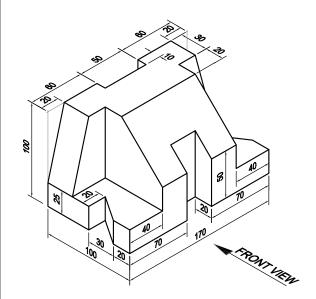
QUESTION

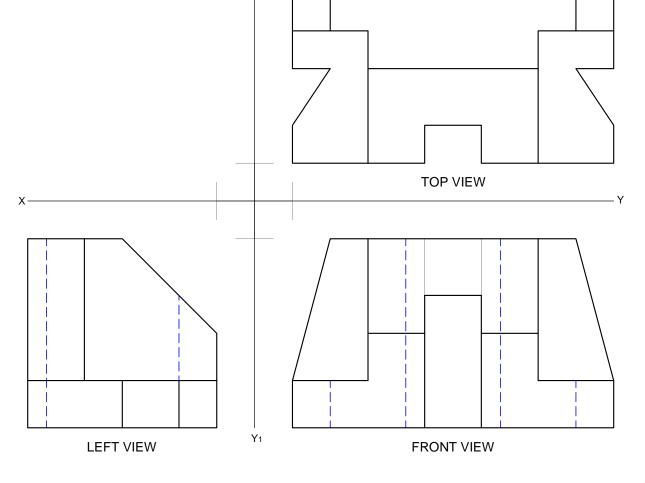
Given below is an isometric view with dimensions of a shaped block.
Using the information given, and scale 1:2, draw the following views in 3rd angle orthographic projection:

- 1.1 The front view (as shown by the arrow)
- 1.2 The top view
- 1.3 The left view

Show all hidden detail and centre line. Label the views

Draw the symbol of projection



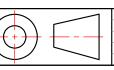


X1

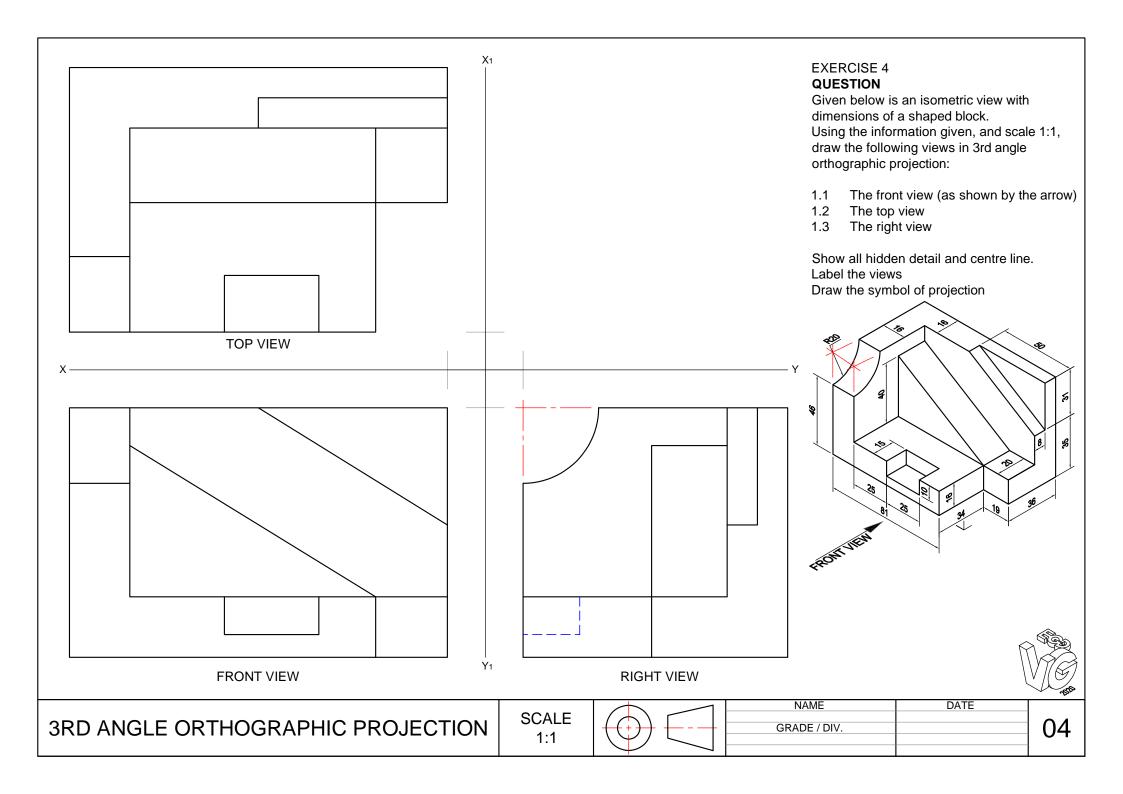


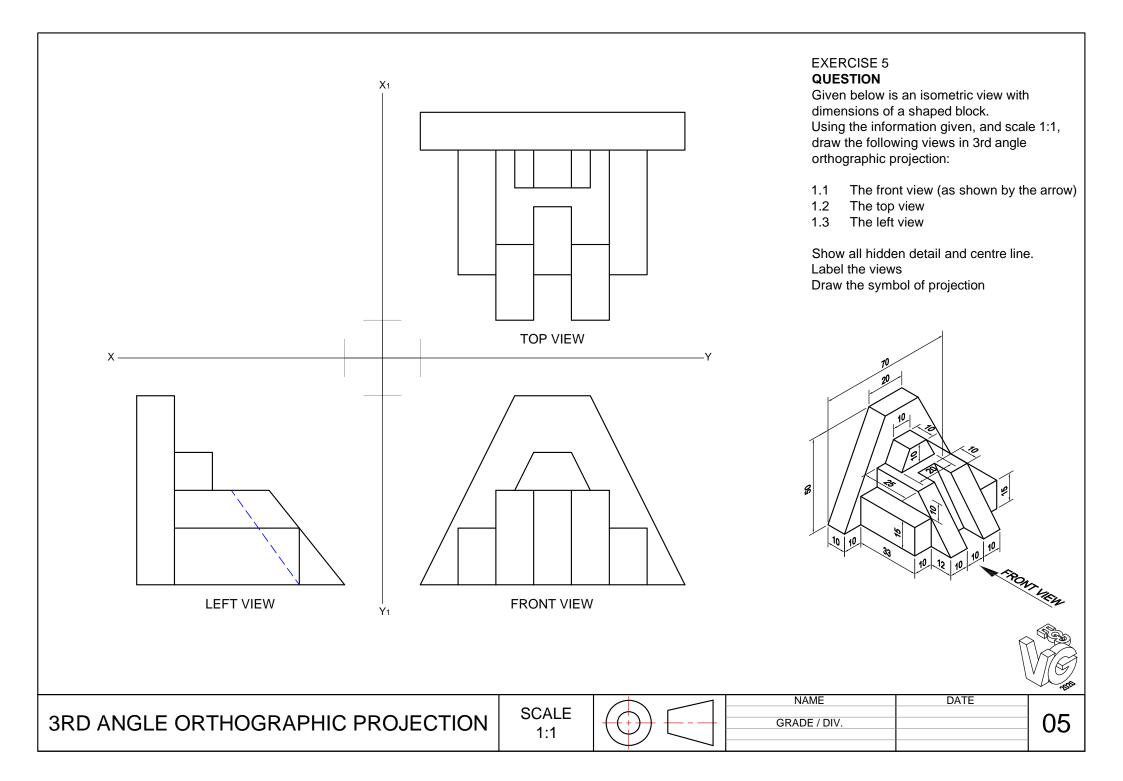
3RD ANGLE ORTHOGRAPHIC PROJECTION

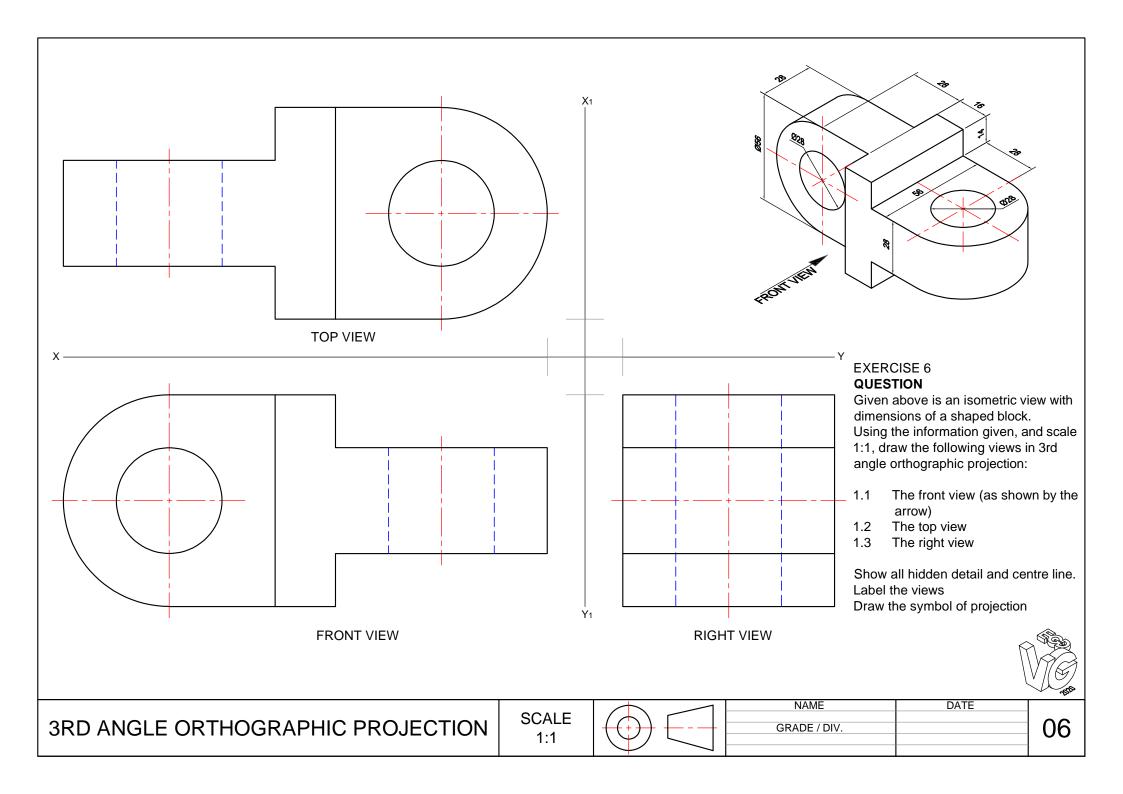
SCALE 1:2

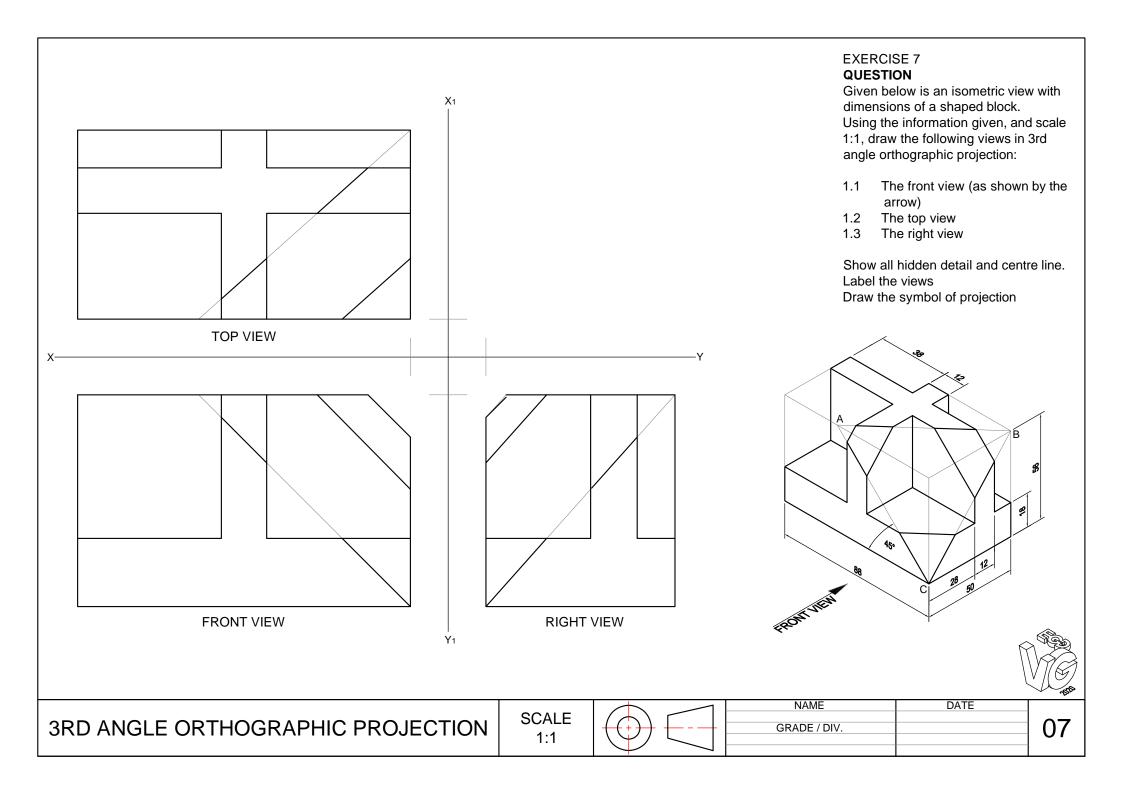


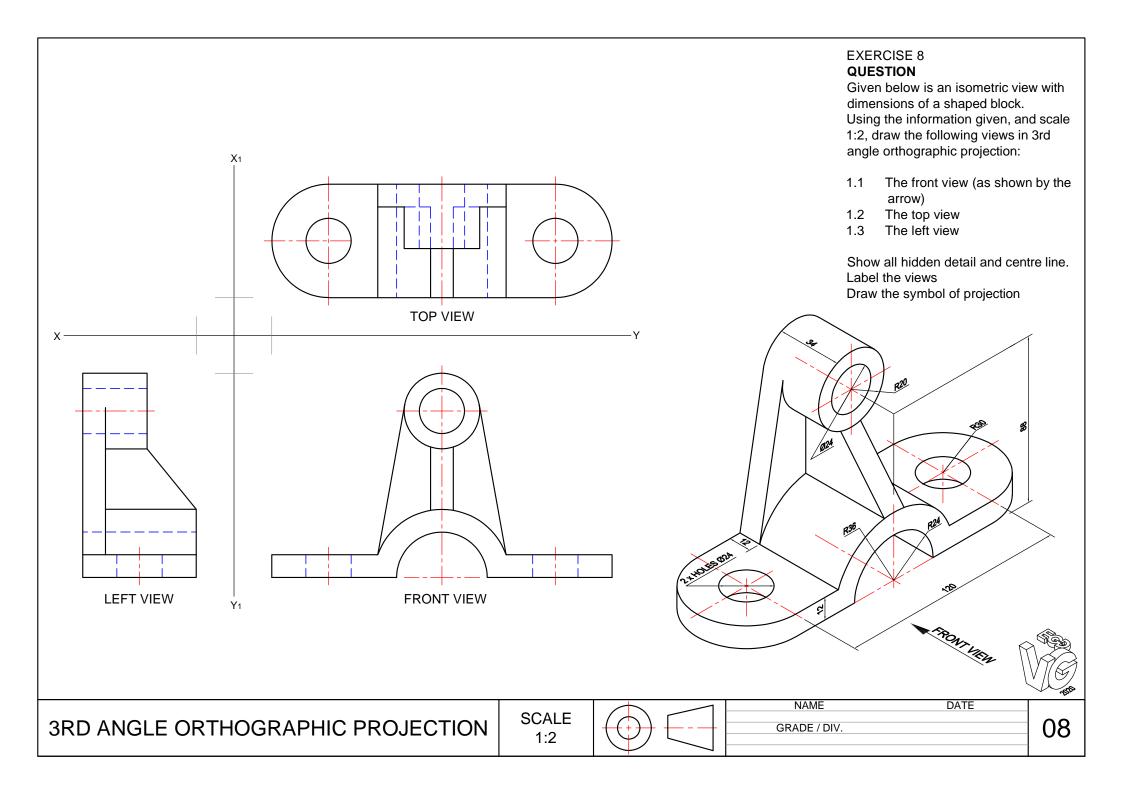
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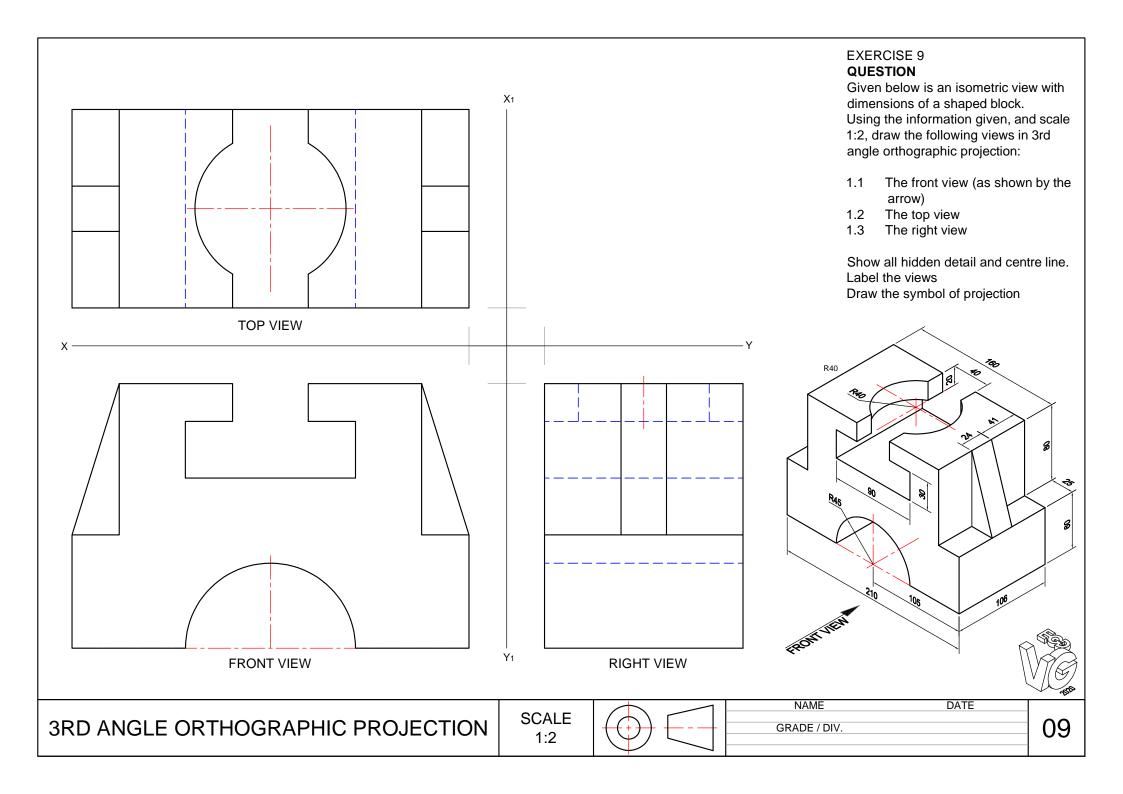


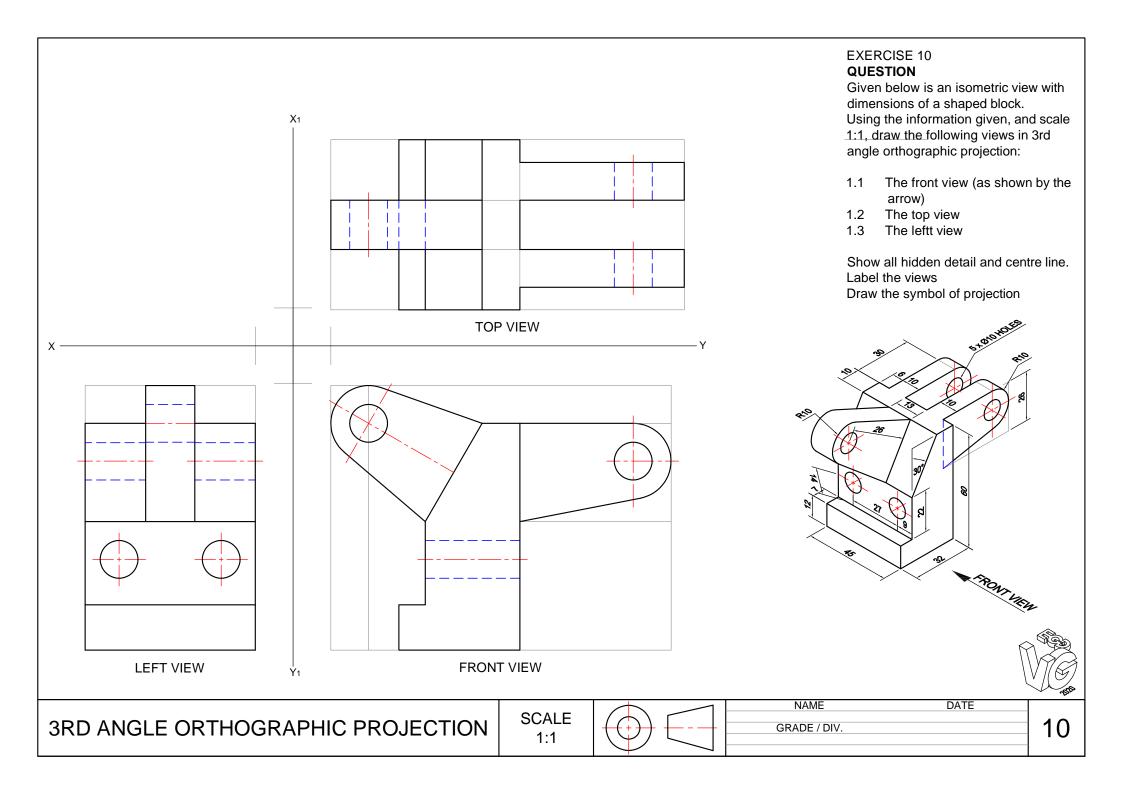


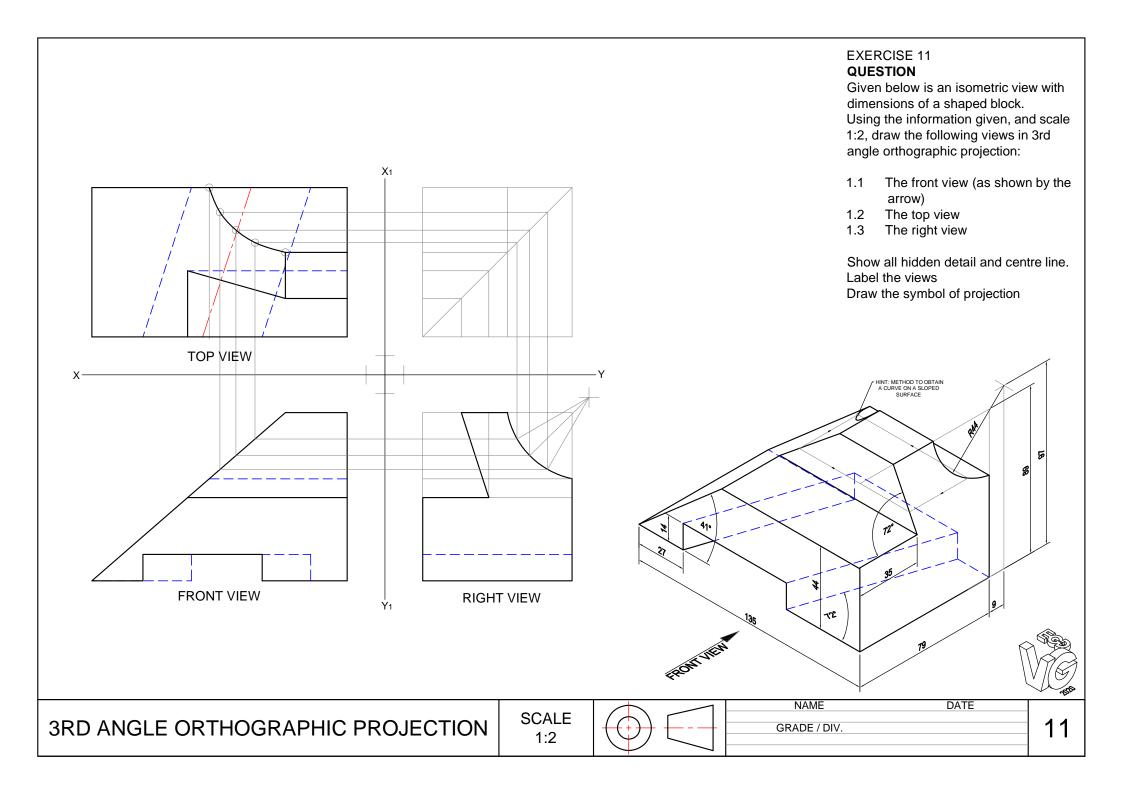






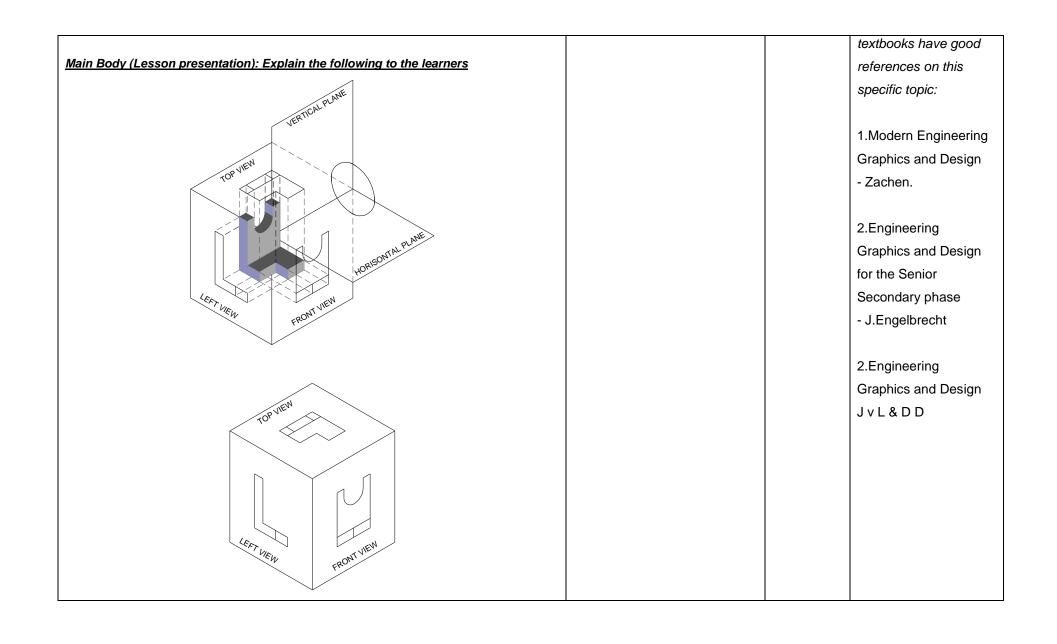


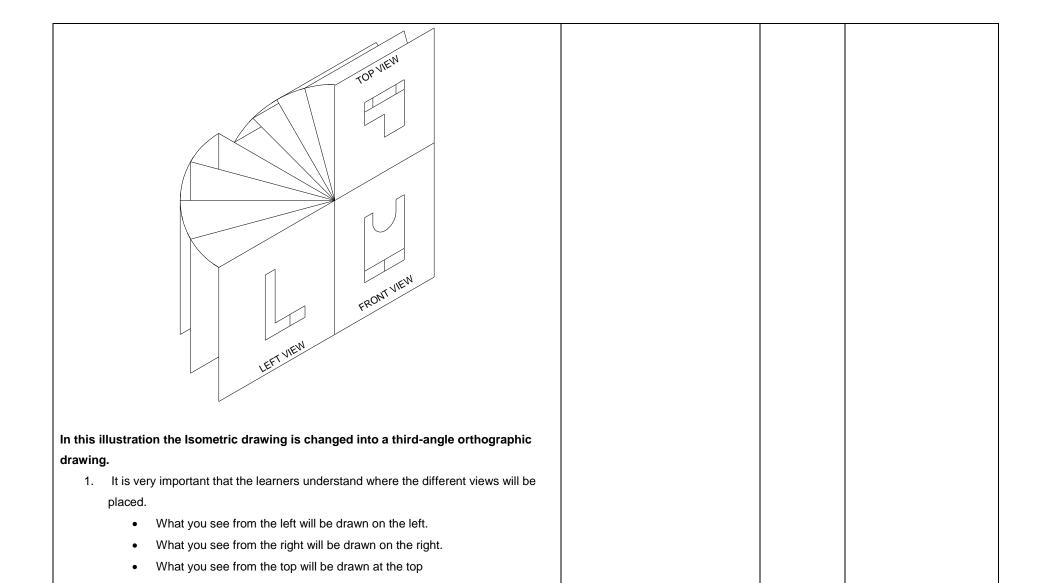


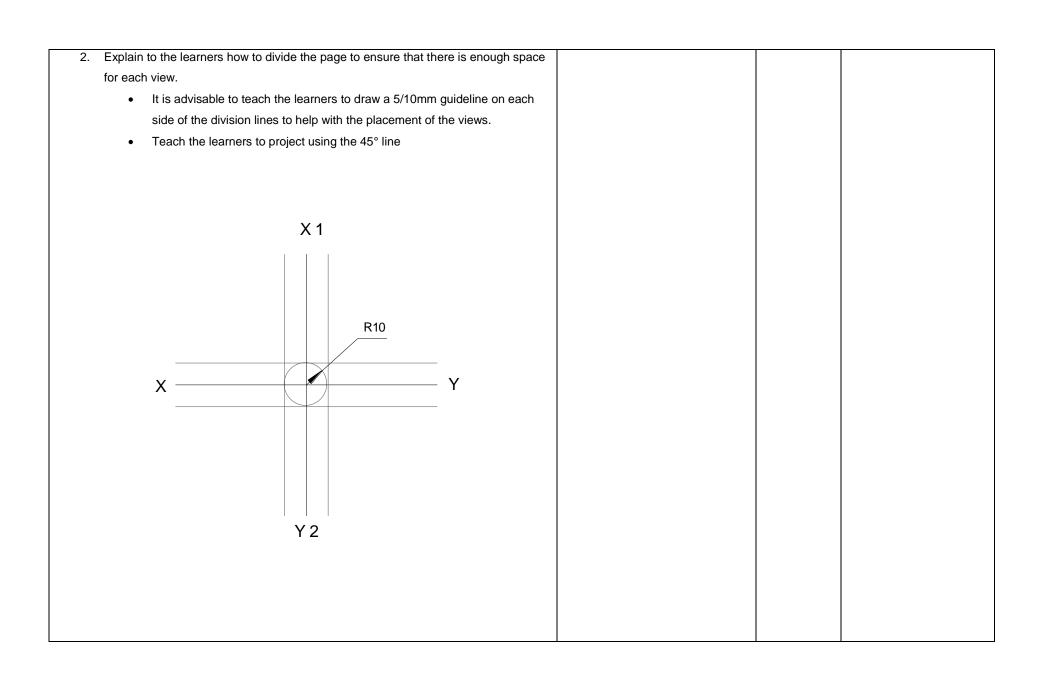


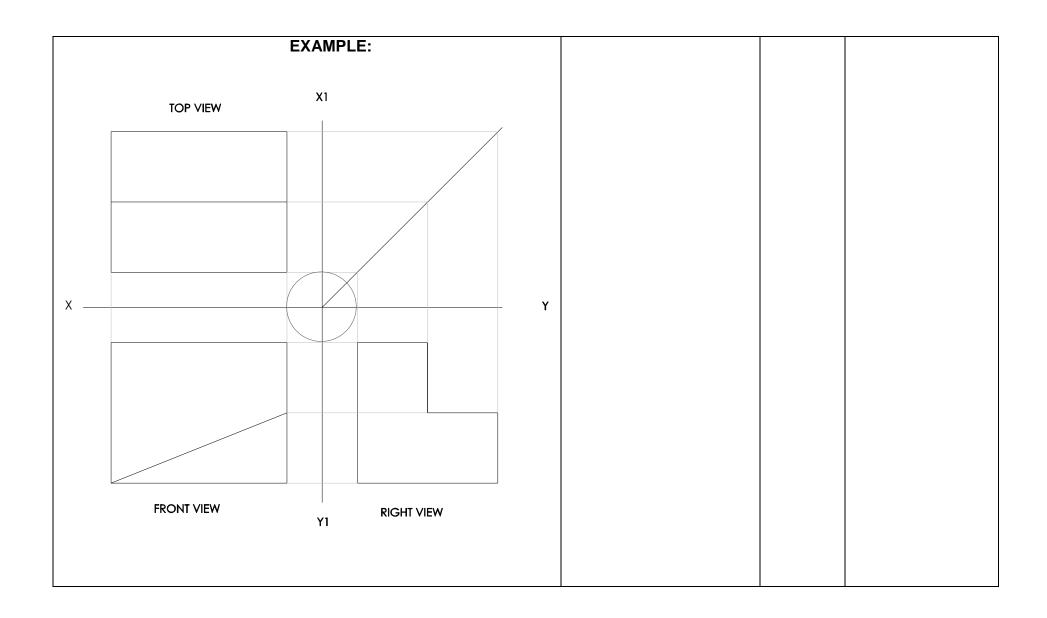
GRADE	10	SUBJ	ECT	E.G.I)	WEEK	1 of Term 2	TOPIC	Mechanical Drawings (Lesson 1 of 3)
LESSON SUMMARY FOR: DATE STARTED: DATE COMPLETED:									
Orthographic Projection				raphic Projectio	n: Third Angl	e Orthograp	hic projection	·	
OBJECTIVES		S	At the end of this lesson the learner must have a clear understanding of Third-Angle Orthographic projection.						

	TEACHE	ER ACTIVITIES	LEARNER ACTIVITIES	TIMING	RESOURCES NEEDED
			Complete the given	45 min	- Text book.
troduction: Pre-knowledge			worksheet as homework	(1 lesson)	- Chalk board/ White
					Board.
Line	DISCRIPTION OF	USED FOR:			- Models (If possible)
type:	LINE: Thin, dark and				-This work can also be
A	continuous	Out lines			prepared before hand
В	Thin, lighter and continuous	Writing			on a transparency.
С	Thin, very light and continuous	Constructions			
For hatchir	ng a B-type line (mediun	n line) will be used.			
					The following





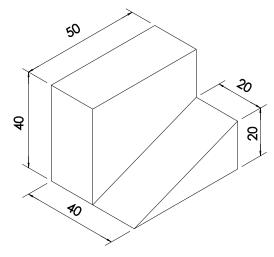




Name of Teacher	HOD:
Sign:	Sign:
Date:	Date:

Draw the front-, top and right view of the given Isometric drawing.

In Third Angle Orthographic Projection.



Answer:

