



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS

ENGINEERING GRAPHICS AND DESIGN P2

MAY/JUNE 2026

MARKING GUIDELINES

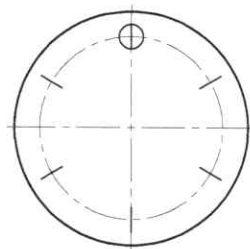
MARKS: 100

These marking guidelines consist of 7 pages.

ANSWERS

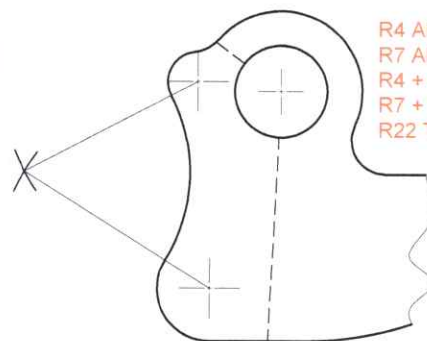
1	<u>APPROVED</u> DRAWINGS	1
2	<u>CHECKED</u> DRAWINGS	1
3	LBJ TRAILER DESIGN	1
4	STEEL	1
5	1 : 5	1
6	11 / ELEVEN	1
7	350 x 2 = <u>700</u>	1
8	SECTIONAL FRONT VIEW	1
9	<u>REVOLVED</u>	1
10	<u>MULTI-PLANE</u> / <u>OFFSET</u>	1
11	<u>INTERRUPTED</u> VIEW	1
12	INDICATES A PART NOT PRESENT	1
13	CONVENTION OF <u>SYMMETRY</u> APPLIED	1
14	SQUARE ON A SHAFT	1
15	F: 11,2 G: 64	2
16	99°/ <u>100°</u> /101°	1
17	33 + 4 + 0,55 ① = 37,55 ①	1
18	See below	3
19		4
20		5
TOTAL		30

ANSWER 18



FREEHAND 0,5
PCD CHAIN LINE 1
ONE HOLE ONLY 0,5
5 x DIVISIONS 1
3

ANSWER 19

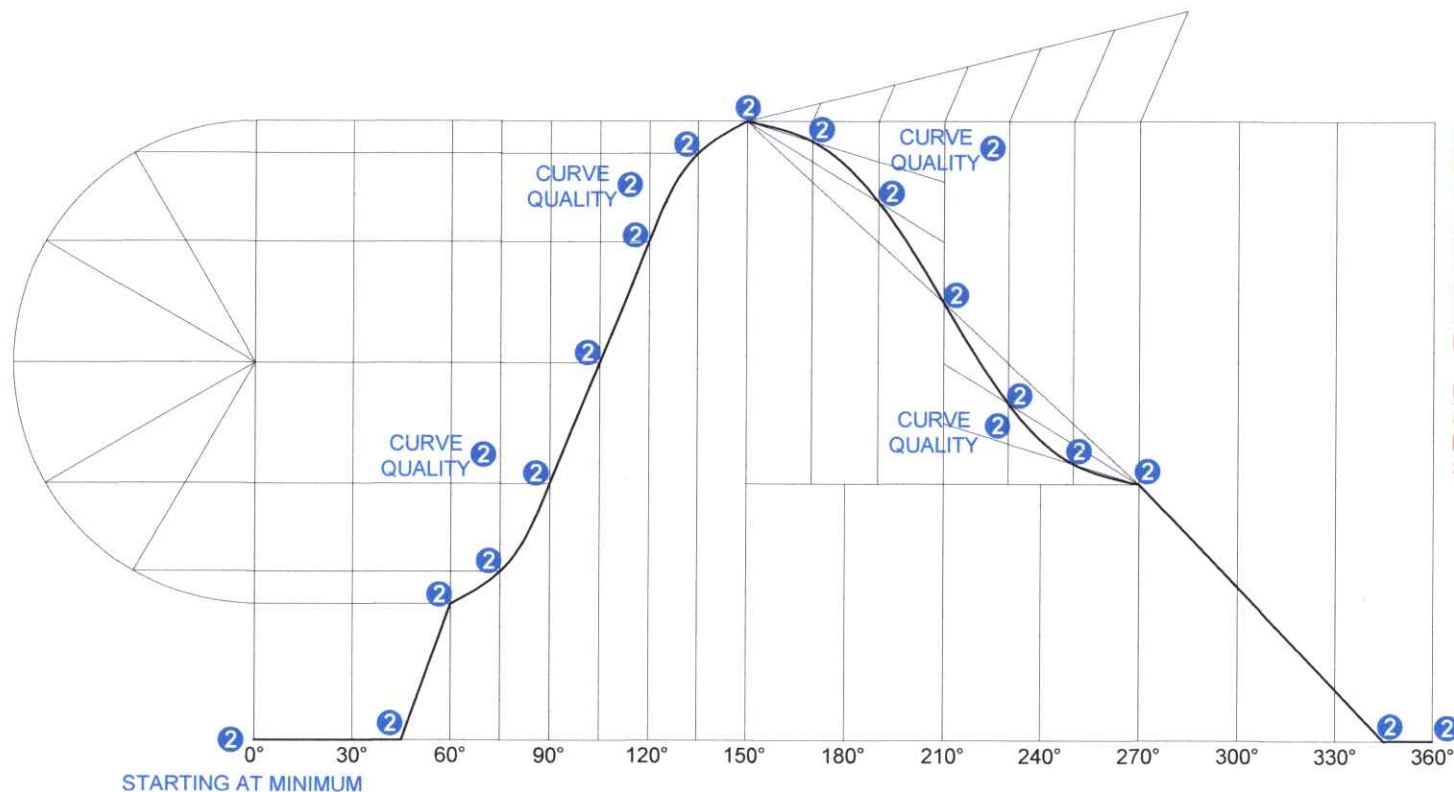


R4 ARC 0,5
R7 ARC 0,5
R4 + R22 = R26 1
R7 + R22 = R29 1
R22 TANGENTIAL ARC 1
4

ANSWER 20

DESCRIPTION		
WELD ALL AROUND	8	✓
PITCH OF WELD	4	✓
FILLET WELD	7	✓
LENGTH OF WELD	3	✓
WELDING PROCESS	5	✓

PAPER 2 QUESTION 1
GRADE 12
MAY/JUNE 2026
MARKING GUIDELINE

**1. GRAPH CONSTRUCTION**

LENGTH 156	1
12 EQUAL DIVISIONS	1

SIMPLE HARMONIC MOTION

SEMI-CIRCLE IN CORRECT POSITION	0.5
CIRCLE DIVISION	0.5
ADDITIONAL 15° DIVISIONS	0.5
HORIZONTAL PROJECTION	0.5

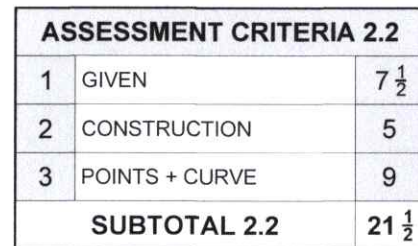
UNIFORM ACCELERATION AND RETARDATION

SAME AMOUNT OF V & H DIVISIONS	1
FIRST HALF CONSTRUCTION	0.5
SECOND HALF CONSTRUCTION	0.5
TOTAL	6

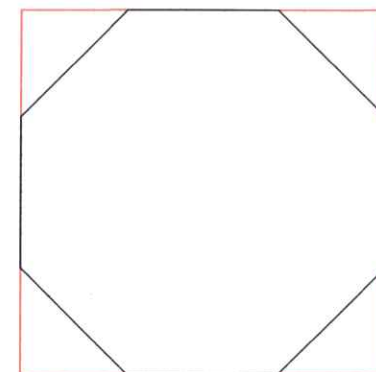
ASSESSMENT CRITERIA 2.1

1	GRAPH CONSTRUCTION	6
2	POINTS + CURVE	10 $\frac{1}{2}$
3	LABELS	1
SUBTOTAL 2.1		17 $\frac{1}{2}$

PAPER 2 QUESTION 2.1
 GRADE 12
 MAY/JUNE 2026
 MARKING GUIDELINES

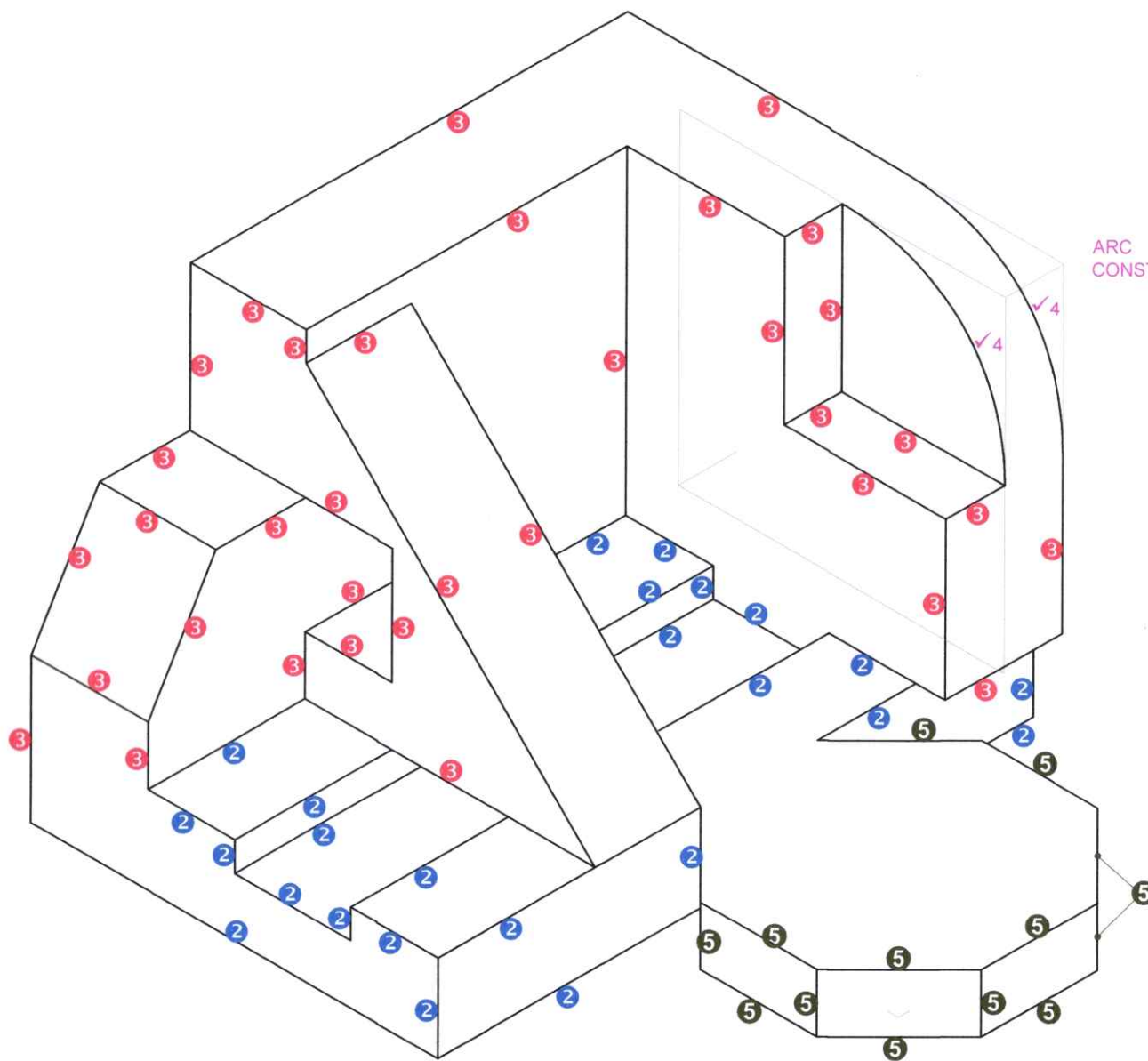


PAPER 2 QUESTION 2.2
GRADE 12
MAY/JUNE 2026
MARKING GUIDELINES



OCTAGON CONSTRUCTION ✓ 1

60° CONSTRUCTION 1

ARC
CONSTRUCTION 4

P START 1 / ORIENTATION 1

ASSESSMENT CRITERIA		
1	PLACING + AUX. VIEW	2 ½
2	BASE	12 ½
3	UPPER PORTION	17 ½
4	ARCS + CONSTRUCTION	2 ½
5	OCTAGON	6
TOTAL		41

PAPER 2 QUESTION 3
GRADE 12
MAY/JUNE 2026
MARKING GUIDELINE