

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P1

NOVEMBER 2024

MARKING GUIDELINES

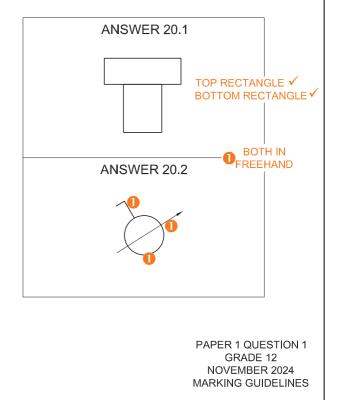
MARKS: 100

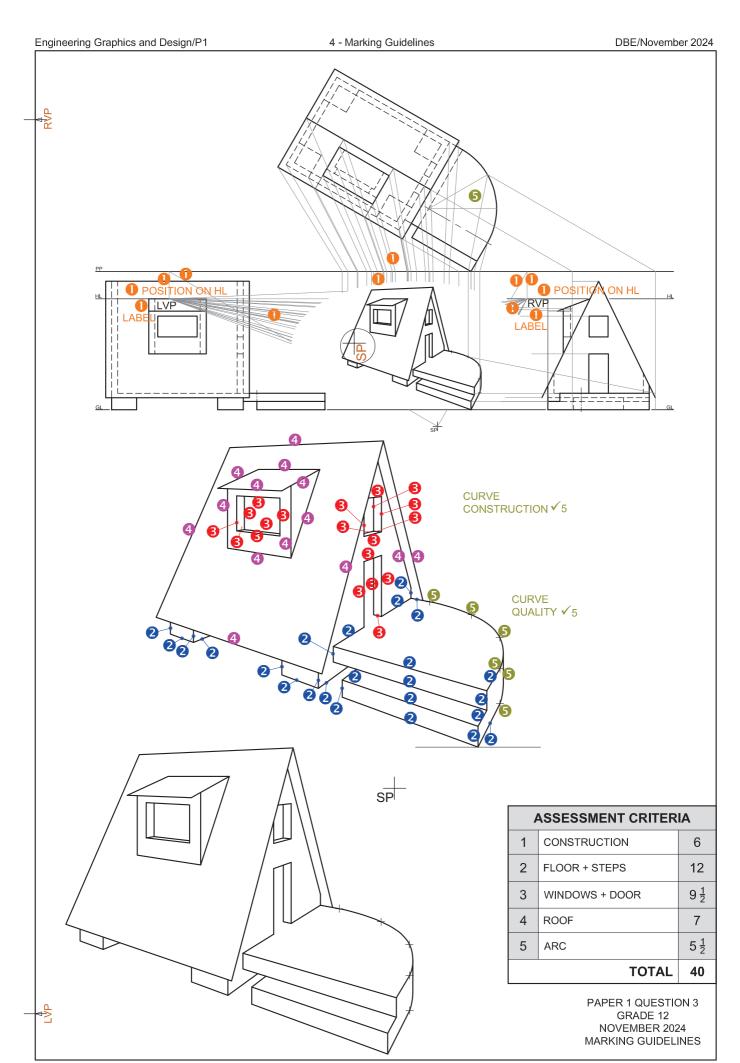
These marking guidelines consist of 7 pages.

ANSWERS		
1	DRAWING NUMBER	1
2	D <u>BRITS</u>	1
3	CHEETAH PRINTERS	1
4	POLOKWANE	1
5	ADD WATER TANK	1
6	1173,5	1
7	BUILDING LINE	1
8	WILLOW TREE	1
9	2000	1
10	TO BE REMOVED / DEMOLISHED	1
11	WATER STORAGE TANK	1
12	PAVERS	1
13	BUILT-IN CUPBOARD	1
14	BROWN	1
15	16,58 ✓ CONVERTED TO METRES ✓	2
16	NORTH-EAST / NE	2
17	22	2
18		3
19	See below	3
20		4
	TOTAL	30

ANSWER 18 Show ALL calculations. ADDING OF SIDES (+, +, ...) ✓ P = AB + BC + CF + FA = (76,77 + 63,34 + 76,77 + 63,34) = 280,22 CONVERTED TO METRES

ANSWER 19 Show ALL calculations. APPLYING CORRECT FORMULA A = L x B = (17,5 x 9,6) + (3,5 x 10,7) + (7,7 x 1,5) + (10,7 x 2,4 / 2) = 168 + 37,45 + 11,55 + 12,84 = 229.84 m²





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ROOF LINE

ASSESSMENT
CRITERIA

NORTH-WEST
ELEVATION

1 ROOF ↑ 7 ½
EWDP 7 ½
2 WALLS ↑ 4

2 WINDOWS ↑ 11 ½
3 DOORS ↑ 11 ½
4 LABELS ½

SUBTOTAL 23 ½

PAPER 1 QUESTION 4 GRADE 12 NOVEMBER 2024 MARKING GUIDELINES

