

## basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

## NATIONAL SENIOR CERTIFICATE

**GRADE 12** 

## **ENGINEERING GRAPHICS AND DESIGN P1**

**NOVEMBER 2017** 

**MARKING GUIDELINES** 

**MARKS: 200** 

This Marking guidelines consists of 7 pages.

	ANSWERS	
1	LUKE	1
2	STAND 7392	1
3	8789	1
4	30 m or 30	1
5	1,2 m (unit m must be shown) or 1200 mm or 1200	1
6	2	1
7	INSPECTION EYE	1
8	8 or 9	1
9	50 m or 50	1
10	140 I <sup>3</sup> / CUBIC LITRE or 140 (2 marks) 2 x 70 (1 mark)	2
11	ORANGE RIVER or RIVER	1
12	SECURITY FENCE or FENCE	1
13	(50 YEAR) FLOOD LINE	1
14	NORTH POINT	1
15	BROWN	1
16	SOUTH EAST or SE	2
17	6,2 m or 6,2 (2 marks) 6200 or 6200 mm (1 mark)	2
18	735,23 m (calculation 1, answer 1, decimal correct 1)	3
19	1991,25 m² (calculation 1, answer 1, metre² 1)	3
20	See below	4

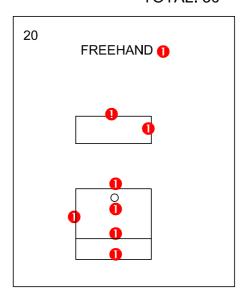
TOTAL: 30

ANSWER 18 Show ALL calculations.

L+L+L+L =143,560+223,910+143,890+223,870 = 735,23 m

> ANSWER 19 Show ALL calculations.

(LxB)+(LxB)+(LxB)=(19,5x28,5)+(21x24)+(27x34,5) = 1991,25 m<sup>2</sup>



PAPER 1 QUESTION 1 GRADE 12 NOVEMBER 2017 MARKING GUIDELINES

