

## basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

## NATIONAL SENIOR CERTIFICATE

**GRADE 12** 

**ENGINEERING GRAPHICS AND DESIGN P2** 

**NOVEMBER 2010** 

**MEMORANDUM** 

**MARKS: 100** 

This memorandum consists of 6 pages.



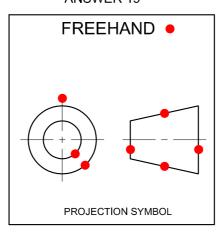
ANSWERS		
1	26/04/2010	1
2	BRASS	1
3	CAD	1
4	ONE	1
5	FOUR	1
6	± 0,25	1
7	16	1
8	THE END IS SQUARE	1
9	FILLET	1
10	40°	1
11	CHAMFER	1
12	Ø6	1
13	R3	1
14	HALF-SECTION	1
15	P: 48 Q: Ø88	2
16	PITCH-CIRCLE DIAMETER	1
17	SIX	1
18		2
19		4
20		6

TOTAL: 30

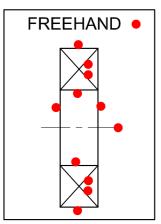




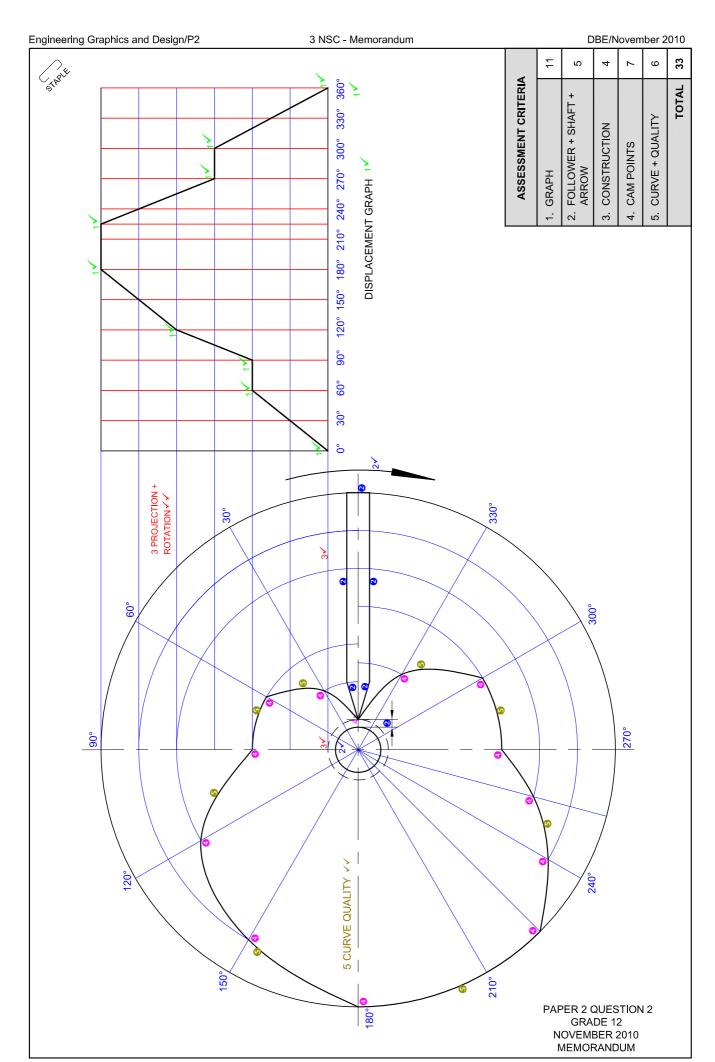
ANSWER 19

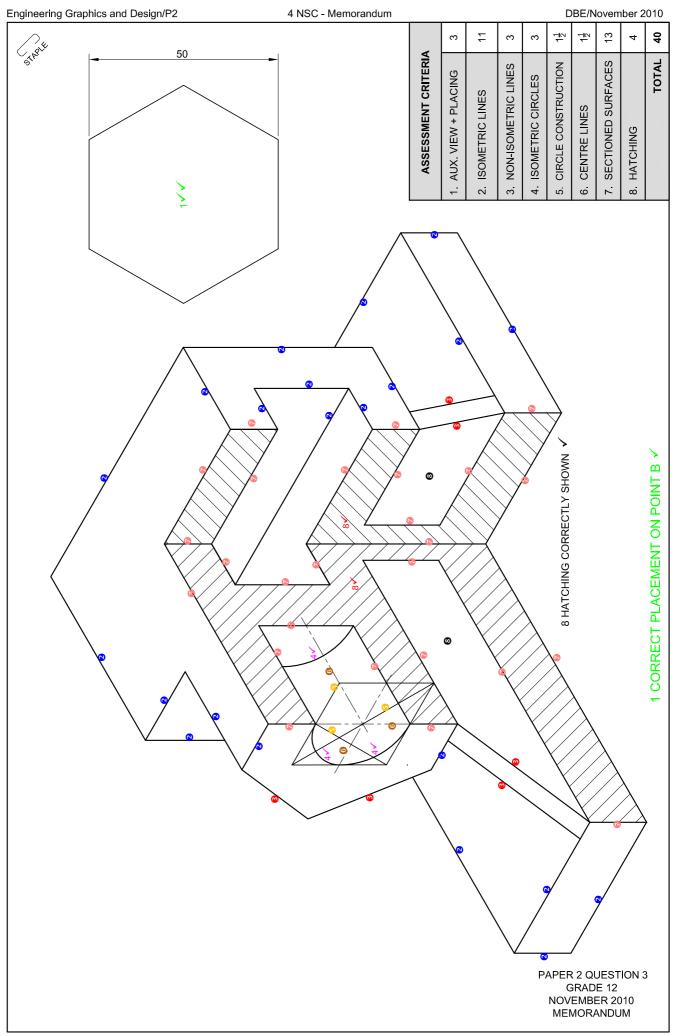


ANSWER 20



PAPER 2 QUESTION 1 GRADE 12 NOVEMBER 2010 MEMORANDUM





PAPER 2 QUESTION 4 GRADE 12 NOVEMBER 2010 MEMORANDUM