

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P2

NOVEMBER 2017

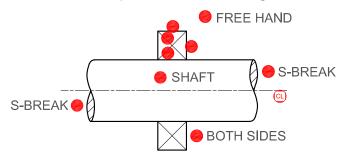
MARKING GUIDELINES

MARKS: 200

This marking guidelines consist of 6 pages.

ANSWERS					
1	SHIFTING SPANNER	1			
2	1:1	1			
3	AUTOCAD 2017	1			
4	2017-01-08	1			
5	STEYN	1			
6	R2	1			
7	TOOL STEEL	1			
8	HARDENING	1			
9	THIRD ANGLE PROJECTION	1			
10	128	1			
11	79° WITH A VARIANCE OF 1° EITHER WAY	1			
12	TO SET AT A SPECIFIC SIZE/ TO VERIFY OR DETERMINE A SPECIFIC SIZE/ JAW OPENING SIZE	2			
13	PARTIAL SECTION	1			
14	REVOLVED SECTION	1			
15	BETTER GRIP/TURN EASIER	1			
16	REAR VIEW/BACK VIEW	1			
17	SHOW DETAIL	1			
18	ALIGNED SECTION	1			
19	3.75	2			
20	7	1			
21	PERPENDICULAR	1			
22	See below	5			
	TOTAL	28			

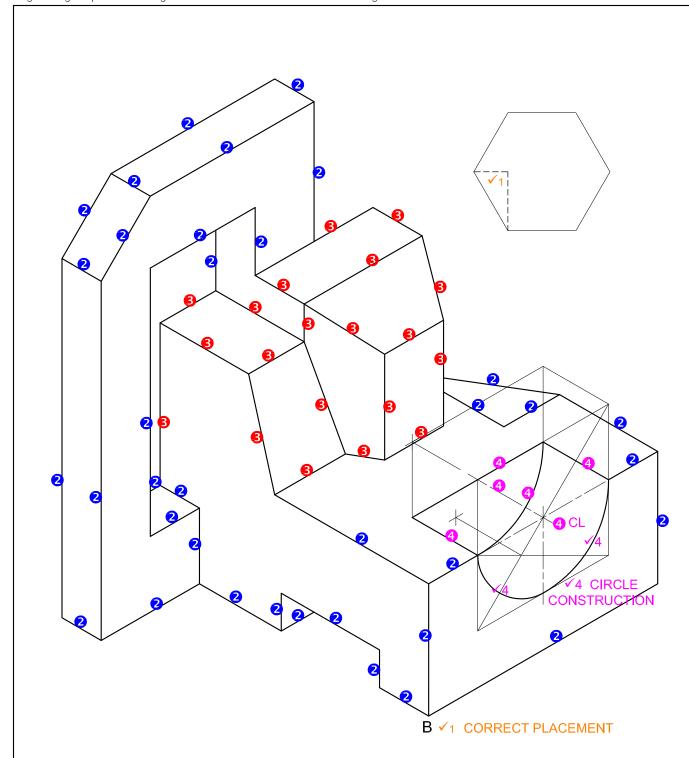
ANSWER 22: Conventional representation of a bearing on a section of a shaft



PAPER 2 QUESTION 1 GRADE 12 November 2017 MARKING GUIDELINES

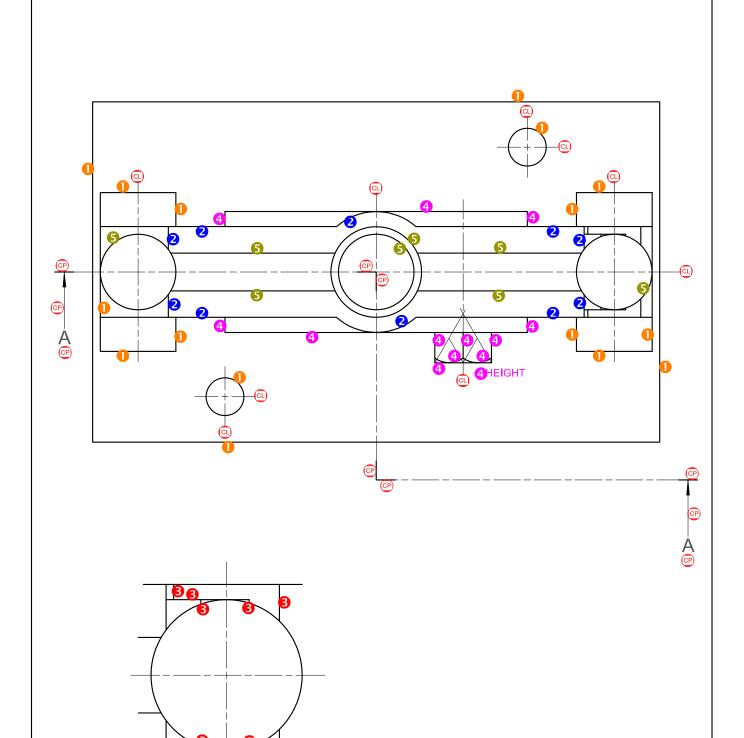
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ARC PROJECTION CIRCLE DIVISION



PAPER 2 QUESTION 3 GRADE 12 November 2017 MARKING GUIDELINES

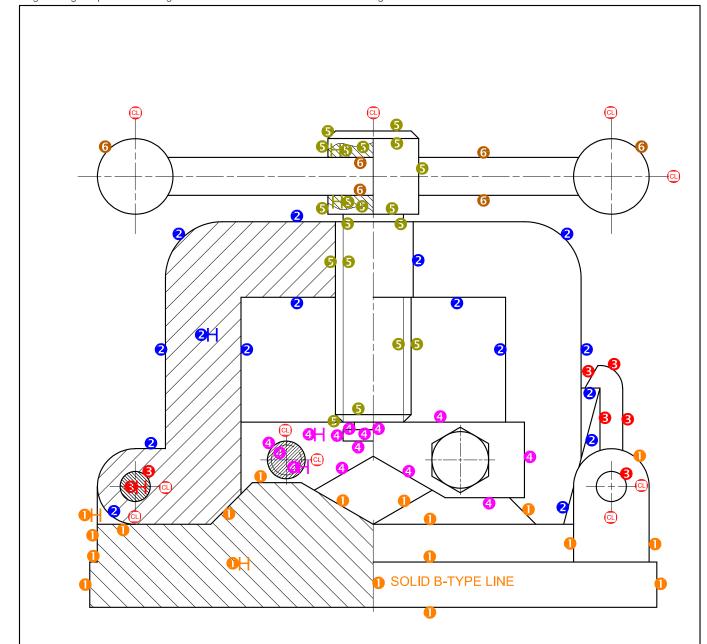
ASSESSMENT CRITERIA				
1	PLACEMENT + AUX. VIEW	2		
2	FRONT + REAR	18		
3	MIDDLE SECTION	10		
4	CIRCLE + CIRCLE CONSTRUCTION + CL	6		
	TOTAL	36		

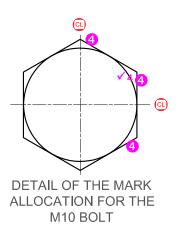


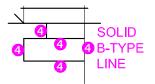
DETAIL OF THE MARK ALLOCATION FOR THE HOOK

> PAPER 2 QUESTION 4 TV GRADE 12 November 2017 MARKING GUIDELINES

ASSESSMENT CRITERIA					
TOP VIEW					
1	BASE	8			
2	FRAME	5			
3	ноок	5			
4	JAW + M10 BOLT	6 <u>1</u>			
5	WORM SCREW + LEVER	4			
	SUBTOTAL	$28\frac{1}{2}$			







DETAIL OF THE MARK ALLOCATION FOR THE CENTRE OF THE JAW

> PAPER 2 QUESTION 4 SFV GRADE 12 November 2017 MARKING GUIDELINES

A	ASSESSMENT CRITERIA				
SECTIONAL FRONT VIEW					
1	BASE	9 1			
2	FRAME	8			
3	PINS + HOOK	$3\frac{1}{2}$			
4	JAW + M10 BOLT	9 1			
5	WORM SCREW	9 1			
6	LEVER	3			
	43				