

ENGINEERING GRAPHICS AND  
DESIGN

PAPER 2

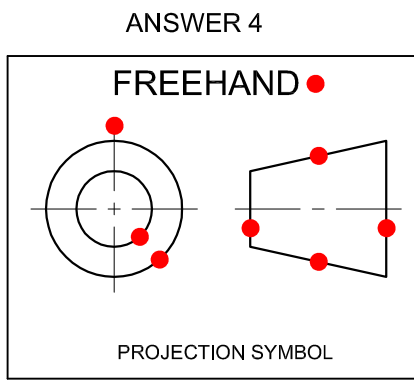
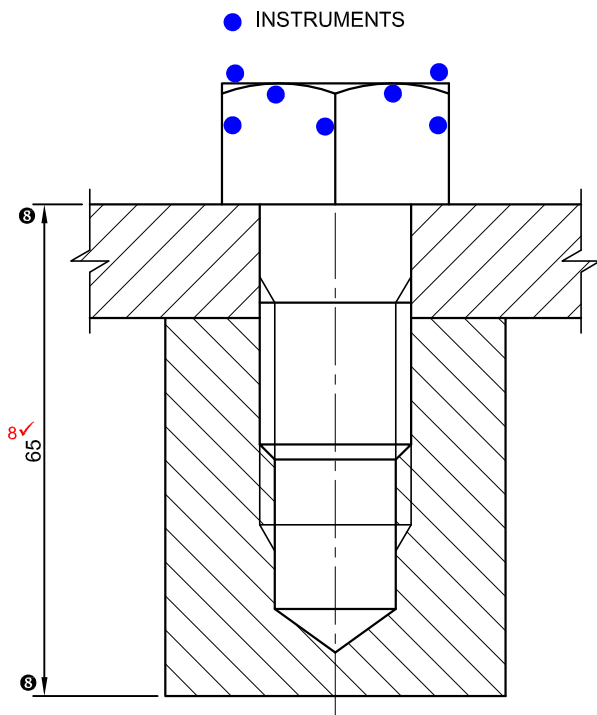
MEMORANDUM

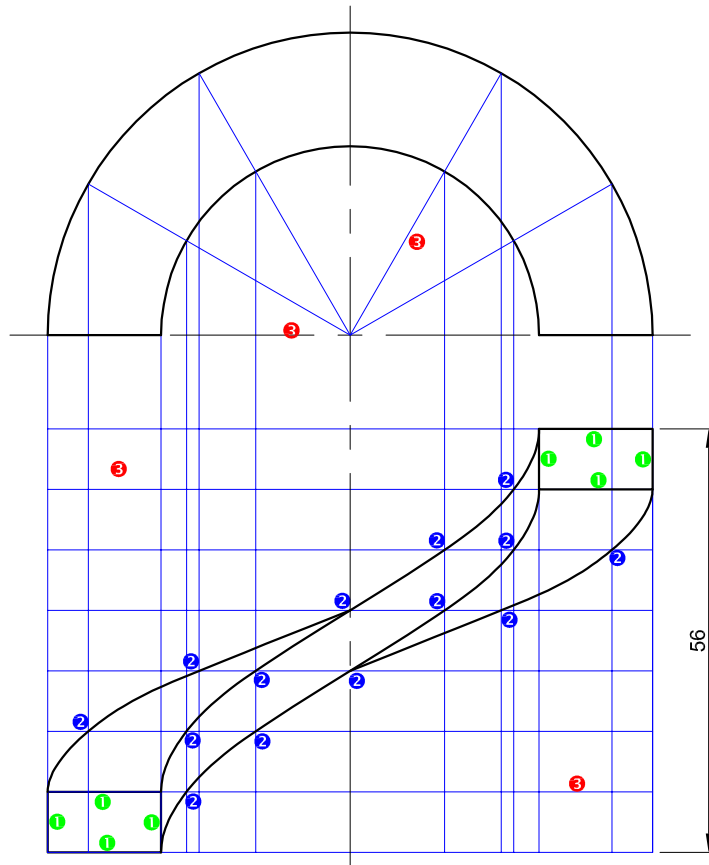
GR 11

NOVEMBER 2012



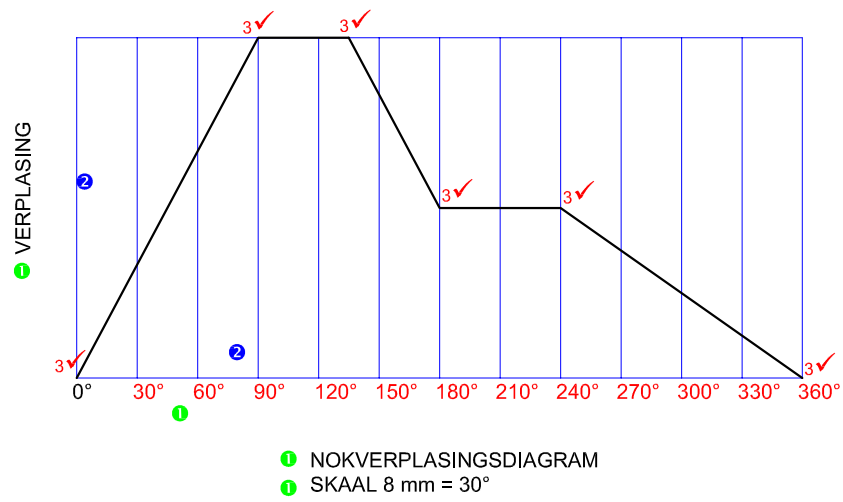
<b>QUESTIONS</b>		
1	Draw the arrows for the cutting plane located on the front view and label it A-A.	2
2	Complete, with <b>drawing instruments</b> , the sectional right view on cutting plane A-A of the nut assembly.	4
3	Neatly complete the dimension A.	2
4	In the box below (ANSWER 4), draw, in neat <b>freehand</b> , the symbol for the projection system used.	4
<b>TOTAL</b>		<b>12</b>





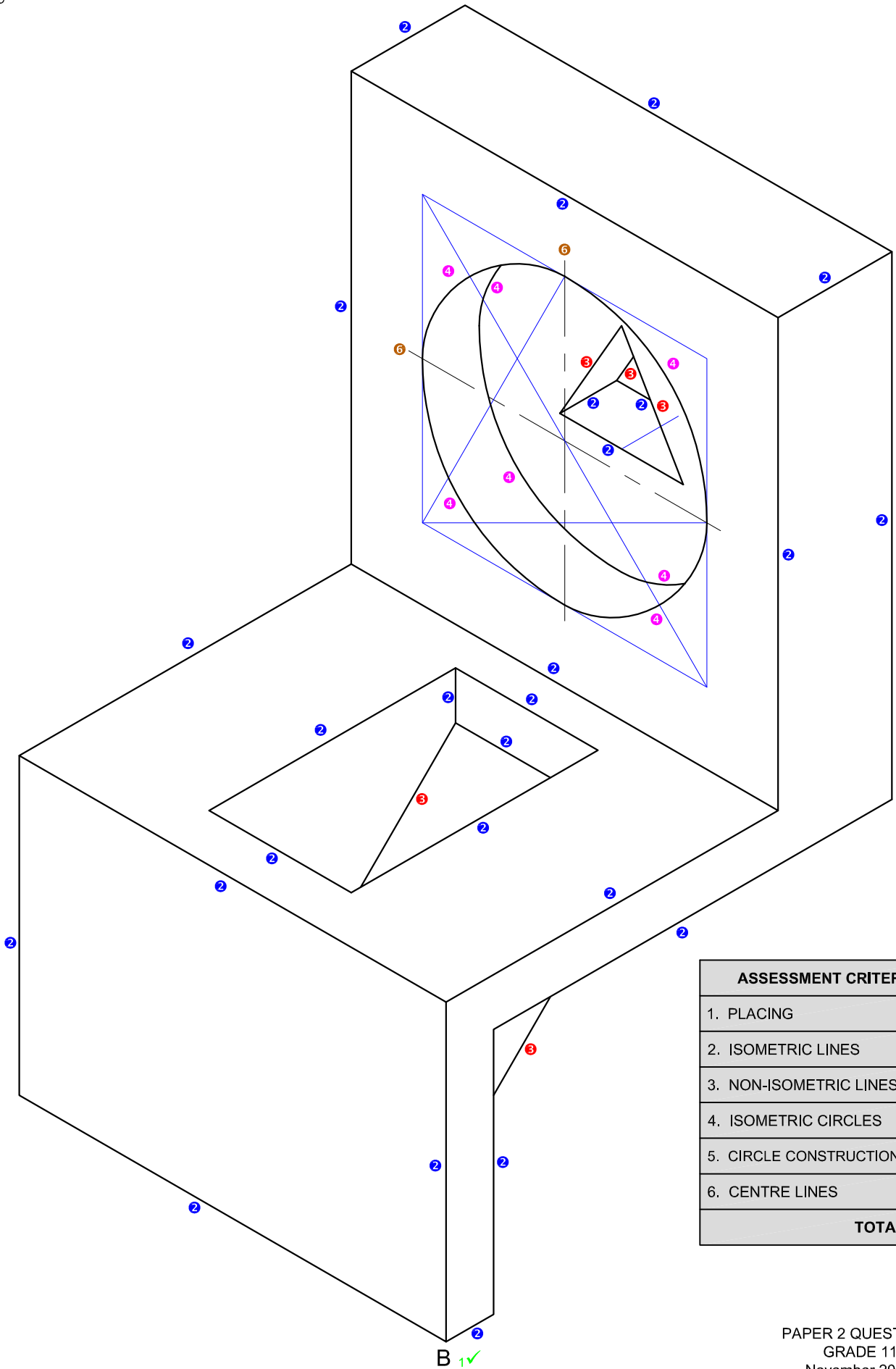
ASSESSMENT CRITERIA	
1. START + END	4
2. HELICS	7
3. CONSTRUCTION	2
<b>SUB TOTAL 2.1</b>	<b>13</b>

PAPER 2 QUESTION 2.1  
 GRADE 11  
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 MEMORANDUM



ASSESSMENT CRITERIA	
1. LABELS	2
2. SCALE + HEIGHT	1
3. DIAGRAM	6
<b>SUB TOTAL 2.2</b>	<b>9</b>
<b>TOTAL</b>	<b>22</b>

PAPER 2 QUESTION 2.2  
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ASSESSMENT CRITERIA	
1. PLACING	1
2. ISOMETRIC LINES	13
3. NON-ISOMETRIC LINES	2½
4. ISOMETRIC CIRCLES	3½
5. CIRCLE CONSTRUCTION	2
6. CENTRE LINES	1
<b>TOTAL</b>	<b>23</b>

PAPER 2 QUESTION 3  
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ASSESSMENT CRITERIA	
<b>SECTIONAL LEFT VIEW</b>	
1. SHAFT	9
2. BUSH	1
3. BASE	5½
4. LEVER	8
5. WASHER	1½
6. M16 NUT	5
7. CENTRE LINES	1
8. HATCHING	6
<b>SUB TOTAL</b>	<b>37</b>
<b>FRONT VIEW</b>	
1. WASHER	1
2. M16 NUT	5
<b>SUB TOTAL</b>	<b>6</b>
<b>TOTAL</b>	<b>43</b>

