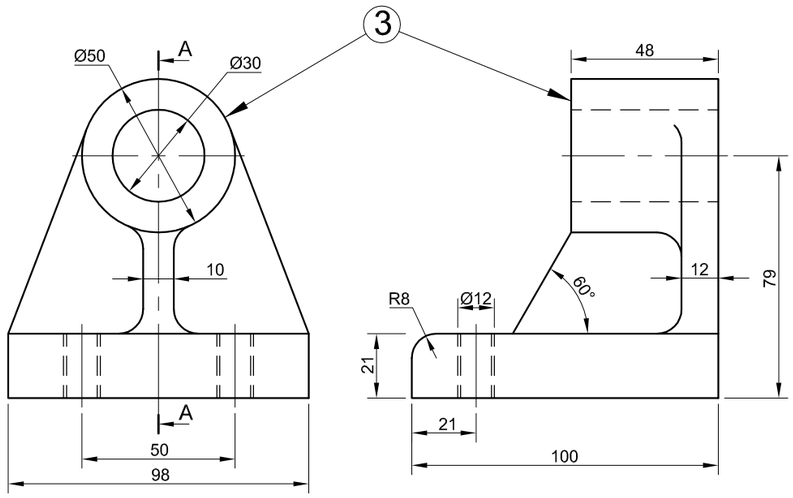
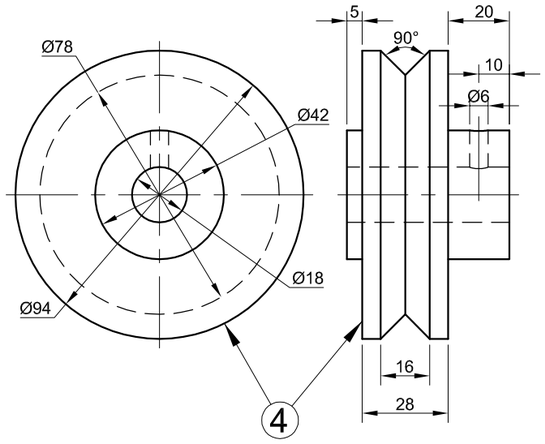
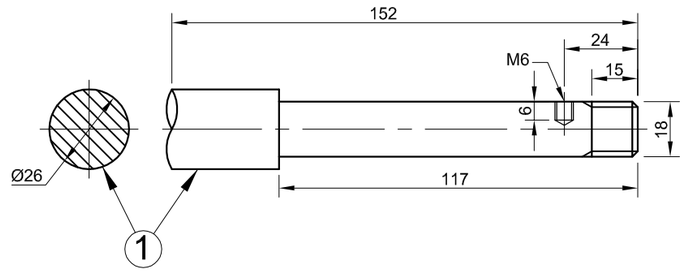
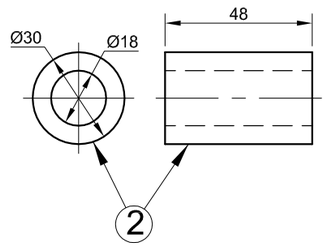
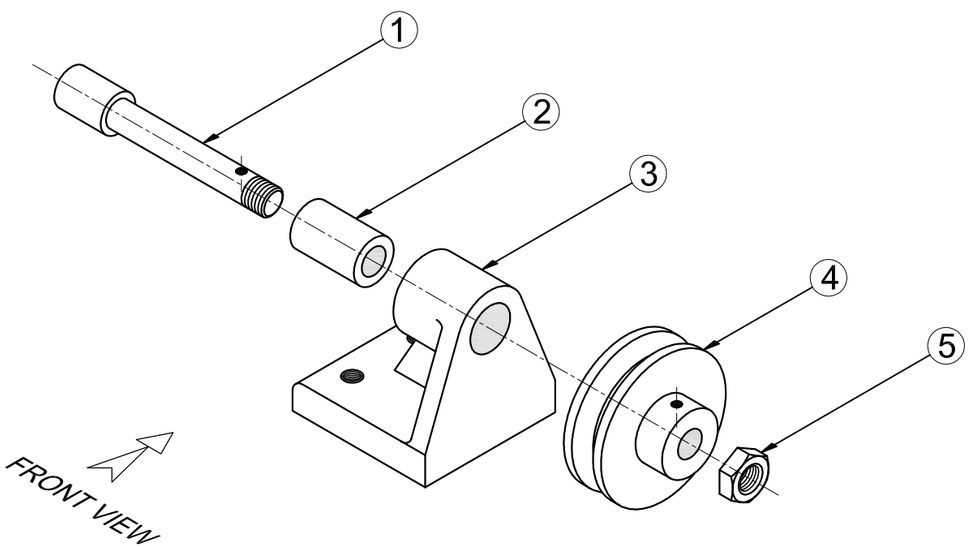
STAPLE



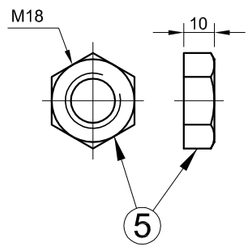








EXPLODED ISOMETRIC



QUESTION 4: MECHANICAL ASSEMBLY

Given:

- The exploded isometric drawing of the parts of a bearing bracket, showing the position of each part relative to all the others.
- Orthographic views of each of the parts of the bearing bracket.

Instructions:

- Answer this question on page 6.
- Draw, to scale 1 : 1 and in third-angle orthographic projection, the following view of the assembled parts of the bearing bracket assembly:
  4.1 A sectional front view, on cutting plane A-A, as seen from the direction of the arrow shown on the exploded isometric drawing. The cutting plane is shown on the left view of the base (part 3).
- ALL drawings must comply with the guidelines contained in the *SABS 0111.*

NOTE:

- No hidden detail is required. **[43]**

PARTS LIST		
PART	QUANTITY	MATERIAL
1. SHAFT	1	HARDENED STEEL
2. BUSH	1	BRONZE
3. BASE	1	CAST IRON
4. PULLEY	1	CAST IRON
5. M18 NUT	1	MILD STEEL

ALL DIMENSIONS ARE IN MILLIMETRES.	DRAWN BY: JOHAN	MICRO STEEL MANUFACTURING	SUTTON ROAD SYDENHAM 6001 www.microsteel.co.za
	DATE: 25/06/2011		
	CHECKED BY: BEYERS		
ALL UNSPECIFIED RADII ARE R8.	DATE: 05/07/2011	TITLE: BEARING BRACKET	
	APPROVED BY: JOSEPH		
DRAWING PROGRAM: CAD 2011	DATE: 15/07/2011	EASTERN CAPE DEPARTMENT BASIC EDUCATION GRADE 11 November 2011	
	SCALE 1 : 2		

Please turn over