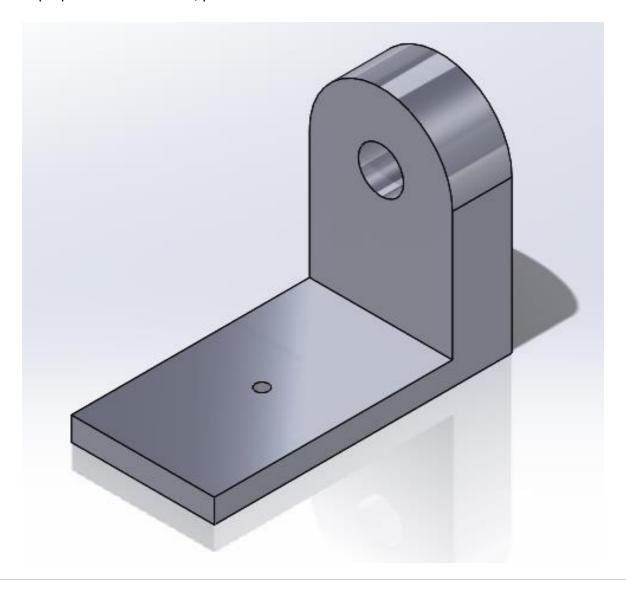
3 - Engineering Drawing

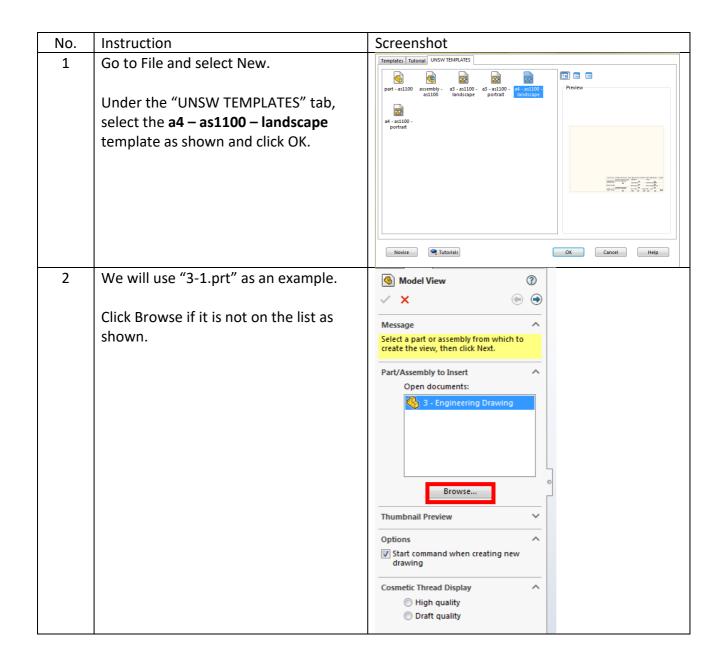
By following this tutorial, you will learn how to:

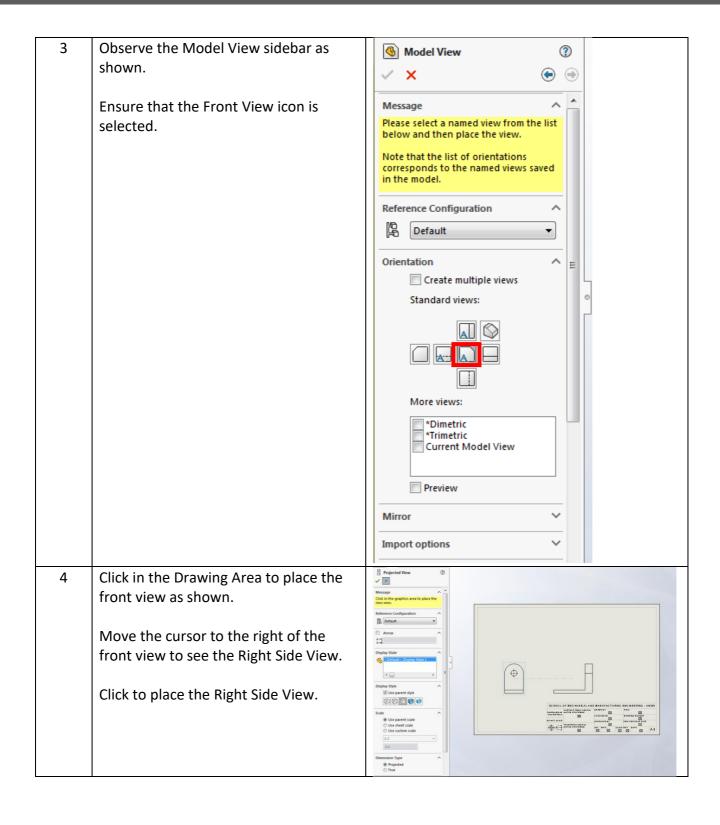
- 1. Create a new drawing file and insert basic views
- 2. Use Smart Dimension in drawing file
- 3. Use centrelines and centre marks
- 4. Use the Note tool, insert symbols and surface finish
- 5. Complete the title block
- 6. Modify the sheet scale
- 7. Insert section views
- 8. Insert detail views

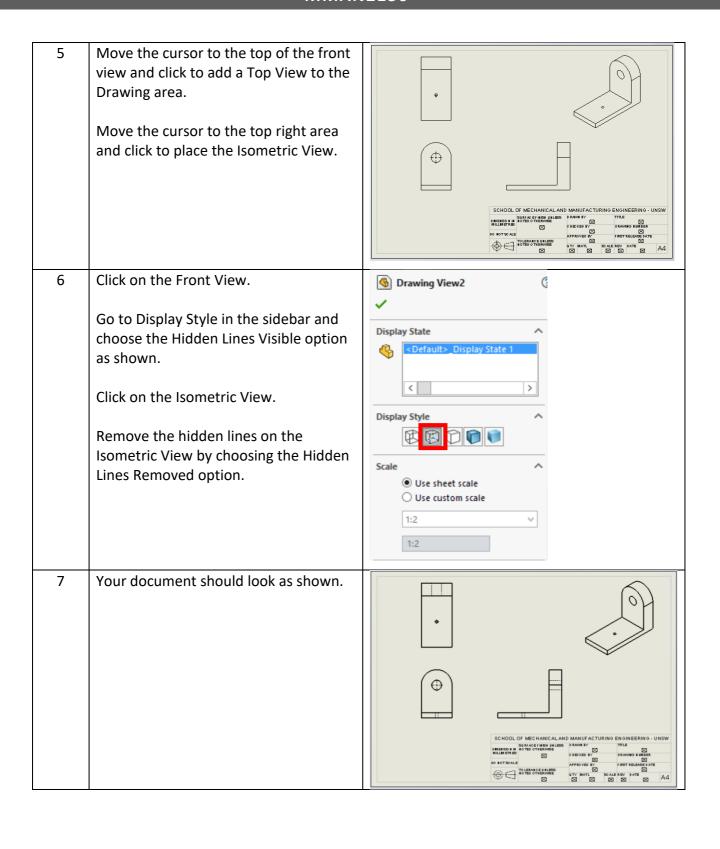
For the purpose of this handout, please download "3-1.SLDPRT" to be used in this tutorial.

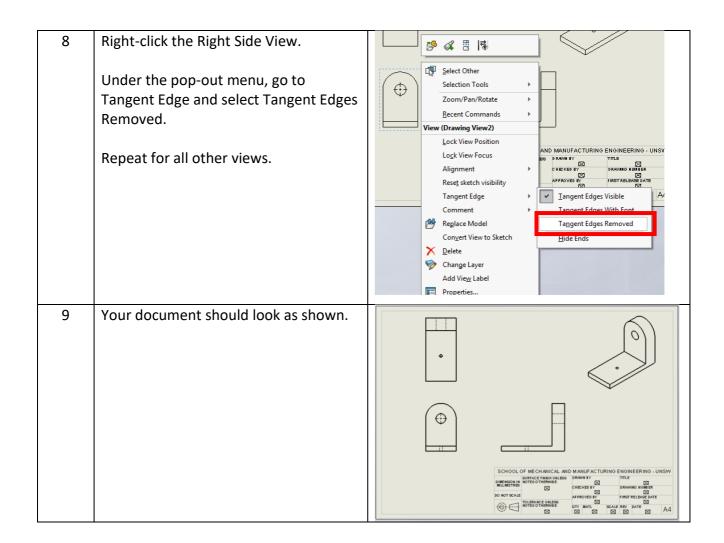


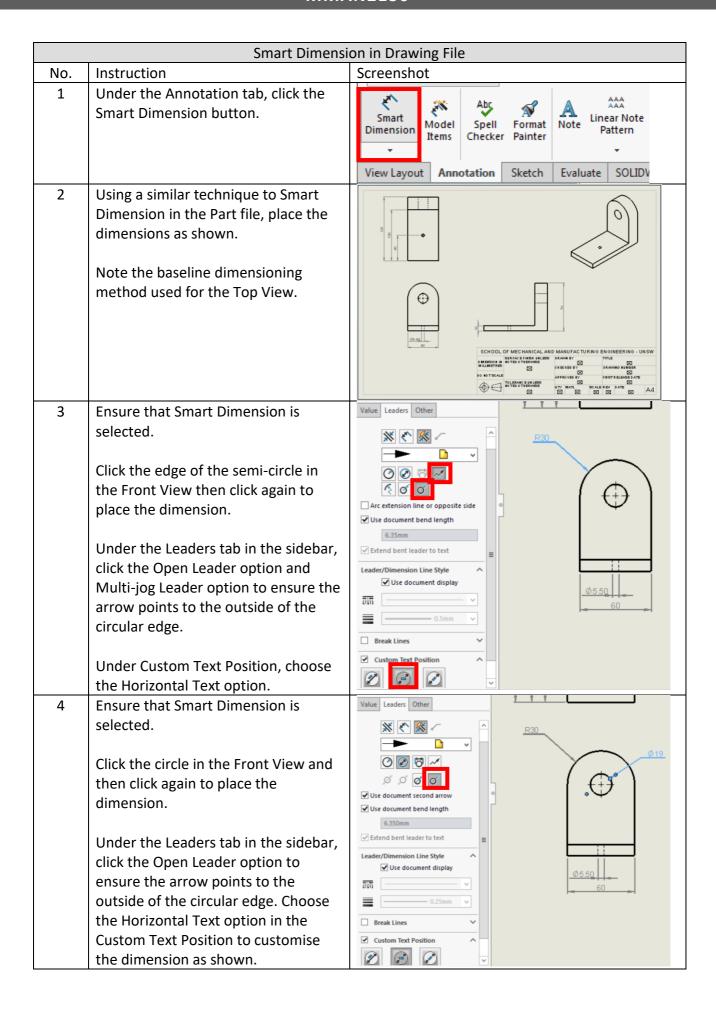
Create a new drawing file and insert basic views

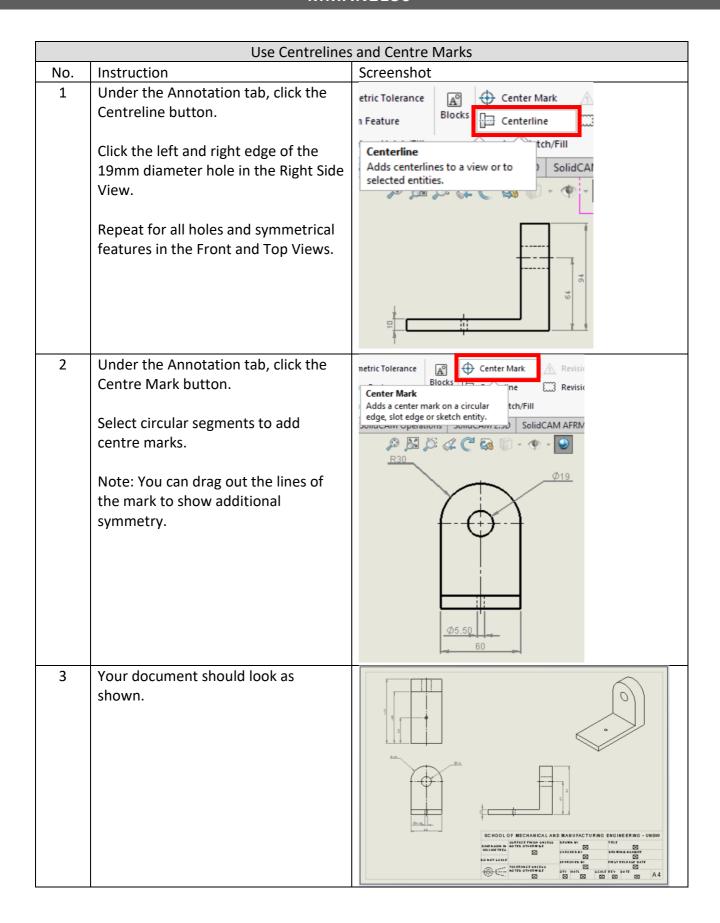


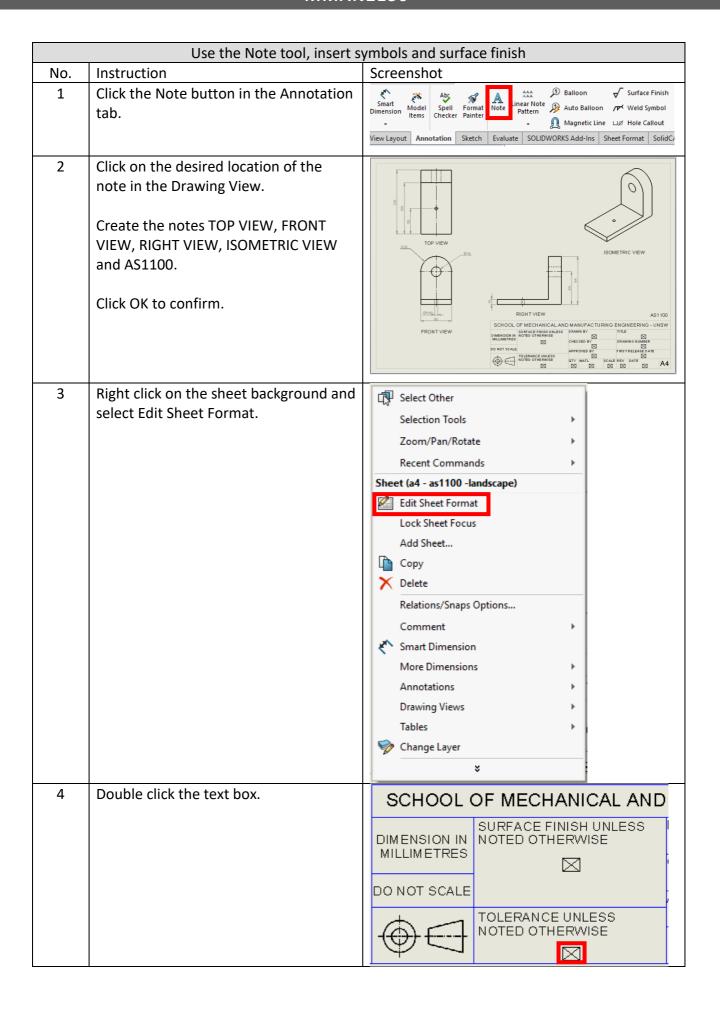


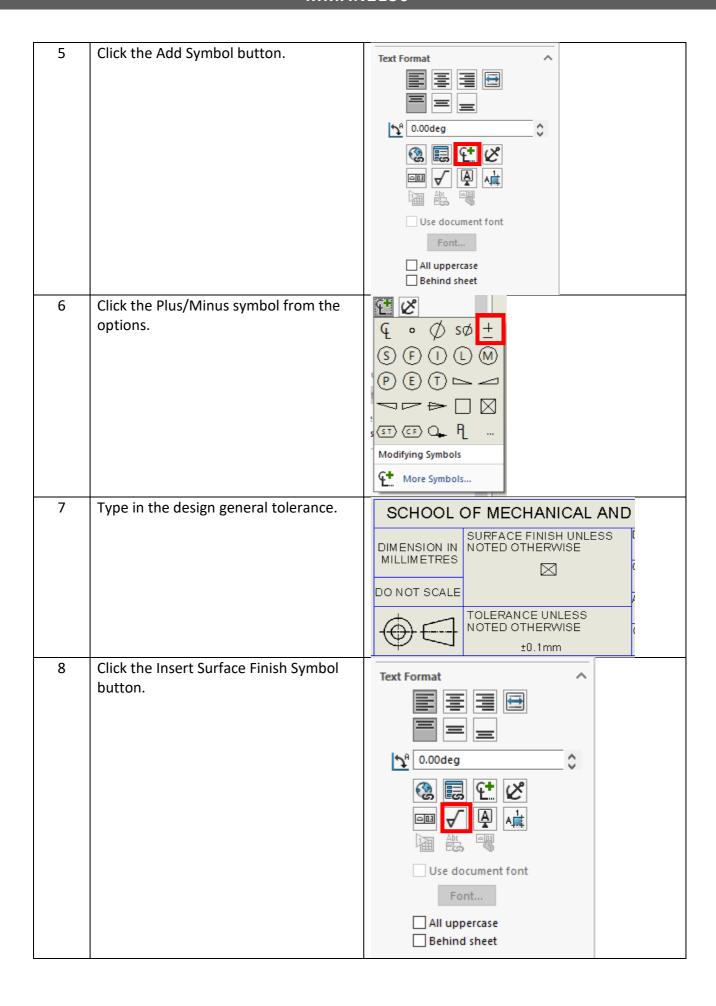












9 Select the Machining Required symbol.

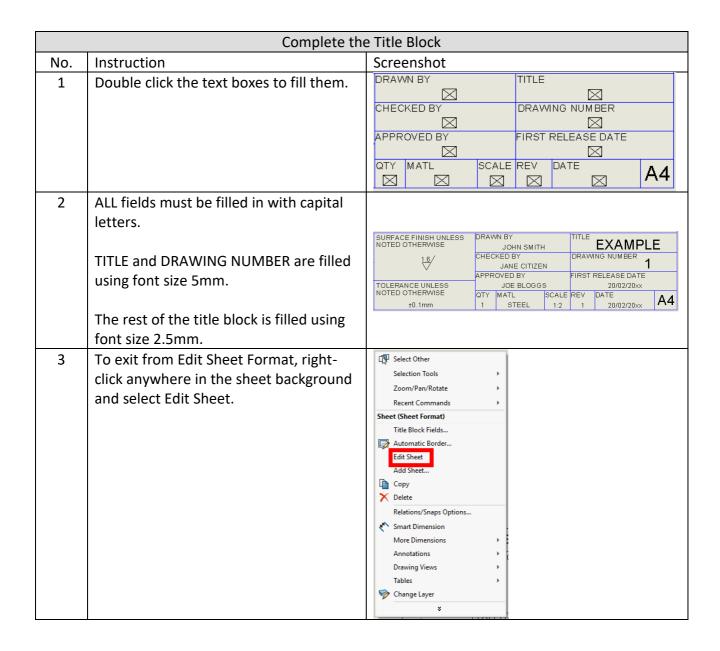
Type in the design surface finish.

Click OK to confirm.

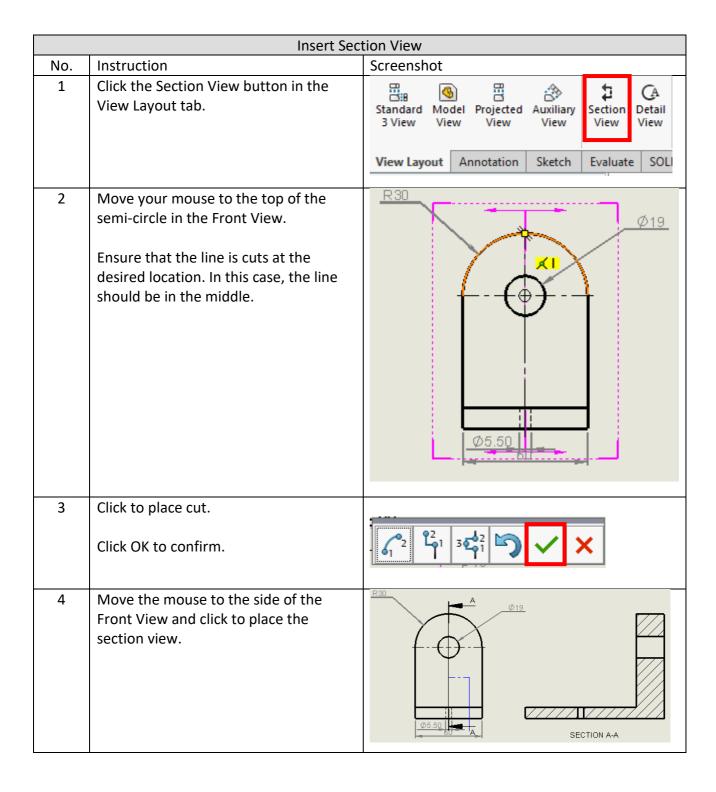
You can use 1.6 for a good machined finish.

Symbol Layout

None



Modify the sheet scale			
No.	Instruction	Screenshot	
1	On the bottom right corner of the window, click the Scale drop down menu. Choose your desired sheet scale.	Under Defined 1:2 A MMGS A	



	Insert De	tail View
No.	Instruction	Screenshot
1	Click the Detail View button in the View Layout tab.	Standard Model Projected Auxiliary Section View View View View View
		View Layout Annotation Sketch Evaluate SOLI
2	Click the centre of the hole. Ensure that you can see a coincident relation.	
		SECTION A-A
3	Move your mouse to create a circle which contains the complete hole feature. Click to confirm.	R = 18.88 SECTION A-A
4	Click to the right of the section view to place the detail view.	DETAIL B SCALE 1:1

