AE 271	Exam 1	
Spring 2014 – jcS	2/5/2014	Name:

1		
	AE 271 – Grade Sheet	Angle Bracket

Part Model: (25 points)

1. Model Tree: Errors / Warnings	
2. Model Tree: Extra Features and sketches	
3. Orientation (Aligned to origin planes)	
4. Features: Appropriate for the problem	
5. Sketches: Dimensions / Constraint	

Part Drawing: (25 Points)

6.	Ortho Views: Front / Scale	
7.	Necessary: Projected / Other	
8.	Isometric View: Orientation	
9.	Lines: Center, Hidden, Tangent, Center Marks (Scaled	
10	. Dimensions: Complete, Standard, Layout	

Other:

Other (i.e. Printing)

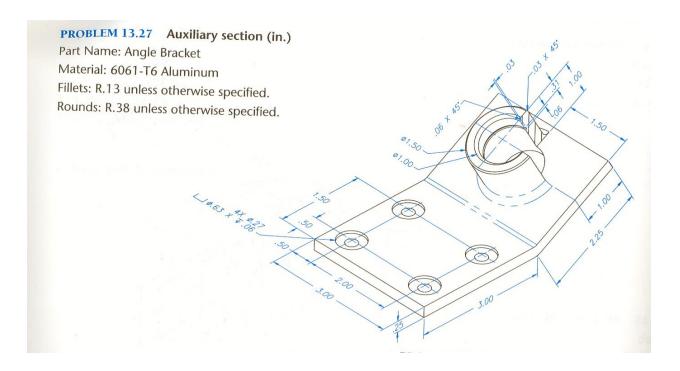
Combined:

Totals

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Part I: Part Modeling

- 1. Given Isometric (Below): Front, Top, Left. Use this orientation in the part model
- 2. Bend Radius = Part Thickness
- 3. Bend Angle = 30 degreees.



Part II: Drawing

- 1. Front View: Corresponding to the required model orientation
- 2. Necessary Projected Views
- 3. Other Views (Required), Appropriate for the geometry
 - o Auxiliary
 - Section view (Full Section)
 - o Detail view
 - o Isometric View

Submit the following (Due: 2/5 @ 12noon)

- Print the drawing. Select a .pdf printer
- Save your files (.sldprt, .slddrw, and .pdf) to your individual folder in S:\AE 271\Student Files....