Section #	Last, First name:	

- * You need to fill out #8 and #9 and turn it in by the beginning of the next class meeting.
- 1. Turn on CMM.
- 2. Open PC-Dmis software.
- 3. Open a new file (New measurement routine).
 - Set unit: inch or mm
 - Interface: Machine 1 (to use CMM) or Offline (PC-Dmis practice)
- 4. Select a Probe (Sensor) type.
- 5. Set up specimen views, if you have a part drawing in igs file format.
- 6. Datum Specifications
 - For Datum_A (Top surface of the specimen): Measure 3-4 points (4 points recommended).
 - Change datum name into Datum_A.
 - For Datum_B (Front surface): Measure 2-4 points (4 points recommended).
 - Change datum name into Datum_B
 - For Datum_C (Left surface): Measure 1-4 points (4 points recommended).
 - Change Datum name into Datum_C.
- 7. Alignment (Creation of a coordinate frame.)
 - Datum A: Z-plus level (By doing this, your z-axis becomes perpendicular to Datum A)
 - Datum_B: Rotate to Y-negative (The Y will be Datum_B direction.).

Rotate about Z-plus (The orientation of the Y-axis is fixed about the Z-axis.)

- Datum_A as Z-origin. Datum_B as Y-origin. Datum_C as X-origin.
- 8. Measure a Circular hole dimension (Diameter and location). Multiple circular holes were measured.

Dimensions	Circle #1	Circle #2	Curve
			(Rounded corner)
Х			
Υ			
Diameter			

Measure the Angle (of the inclined surface with respect to the rear datum surface)
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Angle =	-	
Allele -		