

STUDENT NAME: _____ DATE: _____

COURSE: _____ DUE DATE: _____

- OBJECTIVES:**
1. Create precise line geometry to location and size in a CAD system.
 2. Control location and size of basic geometry within the Cartesian plane of coordinates.
 3. Manually enter geometry using a CAD input device in Absolute coordinates.
 4. Demonstrate CAD standard operating procedures of opening and closing a session.

DRAWING TITLE: MANUAL COORDINATE INPUT **INNIE OR OUTIE:** Outie**TIME ON TASK:** 1 Hour **DRAWING TYPE:** Orthographic, 1 View**MEIDA SIZE:** Eng. A (8.5"x11") **MEASUREMENT:** Imperial Inch**UNITS:** Decimal **PLOT SCALE:** 1:1**VIDEO SEARCH:** User Interface Tutorial, AutoCAD®, DraftSight®**DRAWING FIELD:** Paper Space / Model Space

COMMANDS: Snap, Unit, Grid, Line, Zoom All and Xp, Dtext or SimpleNote, File - Save As, Cartesian Coordinates, Manual Coordinate Entry; Right click on Snap and Grid icons to change settings.

INPUT METHODS: Manual eye-hand coordinate entry to grid dots and direct distance input, if available in your CAD program, with Snap turned on.

DRAWING FIELDS**Model Space:** Snap set to .125 (F9), Grid set to 1 (F7), Dynamic Input (F12)**Paper Space:** Snap set to .125 (F9)

- INSTRUCTIONS:**
1. Navigate the toggle between Paper and Model Space.
 2. Use commands to set drawing aids as noted for this drawing field.
 3. Manually draw the problem rounded to the inch; L=2 H=1 W=2 in Model Space.
 4. Add text to the title block area to complete the drawing in Paper Space.
 5. Save session as soft copy magnetic file using your initials (XXXProb1-1.dwg).
 6. Plot the drawing on paper as hard copy.
 7. Submit the drawing to your instructor for grading in hard or soft copy format.

PROJECT NOTES: Grids will not display in problem solution.
