

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 keyboarding absolute coordinates.
 3. Manually modify geometry using the Offset, Trim and Extend CAD commands.
 4. Demonstrate CAD standard operating procedures of opening and closing a session.

DRAWING TITLE: ABSOLUTE COORDINATES

INNIE OR OUTIE: Outie

TIME ON TASK: 1/2 Hour

DRAWING TYPE: Orthographic, 1 View

MEIDA SIZE: Eng. A (8.5"x11")

MEASUREMENT: Imperial Inch

UNITS: Decimal

PLOT SCALE: 1:1

VIDEO SEARCH: Absolute Coordinate Input, CAD Input methods, AutoCAD®, DraftSight®

DRAWING FIELD: Paper Space / Model Space

COMMANDS: Snap, Unit, Grid, Line, Zoom All and Xp, Dtext, File - Save As, Absolute Coordinates, Relative Coordinates, Delta Coordinates, Offset, Trim, Extend, Dtext or SimpleNote

INPUT METHODS: Manually keyboarding of coordinates to drawing dimensions to control precise location of geometry by absolute coordinate entry.

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 (XXXProb1-2.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: Read dimensions to determine distances. Keyboard input of coordinate data to absolute coordinates such that the distance from A to B is 3,1 if A is placed at 1,1.
