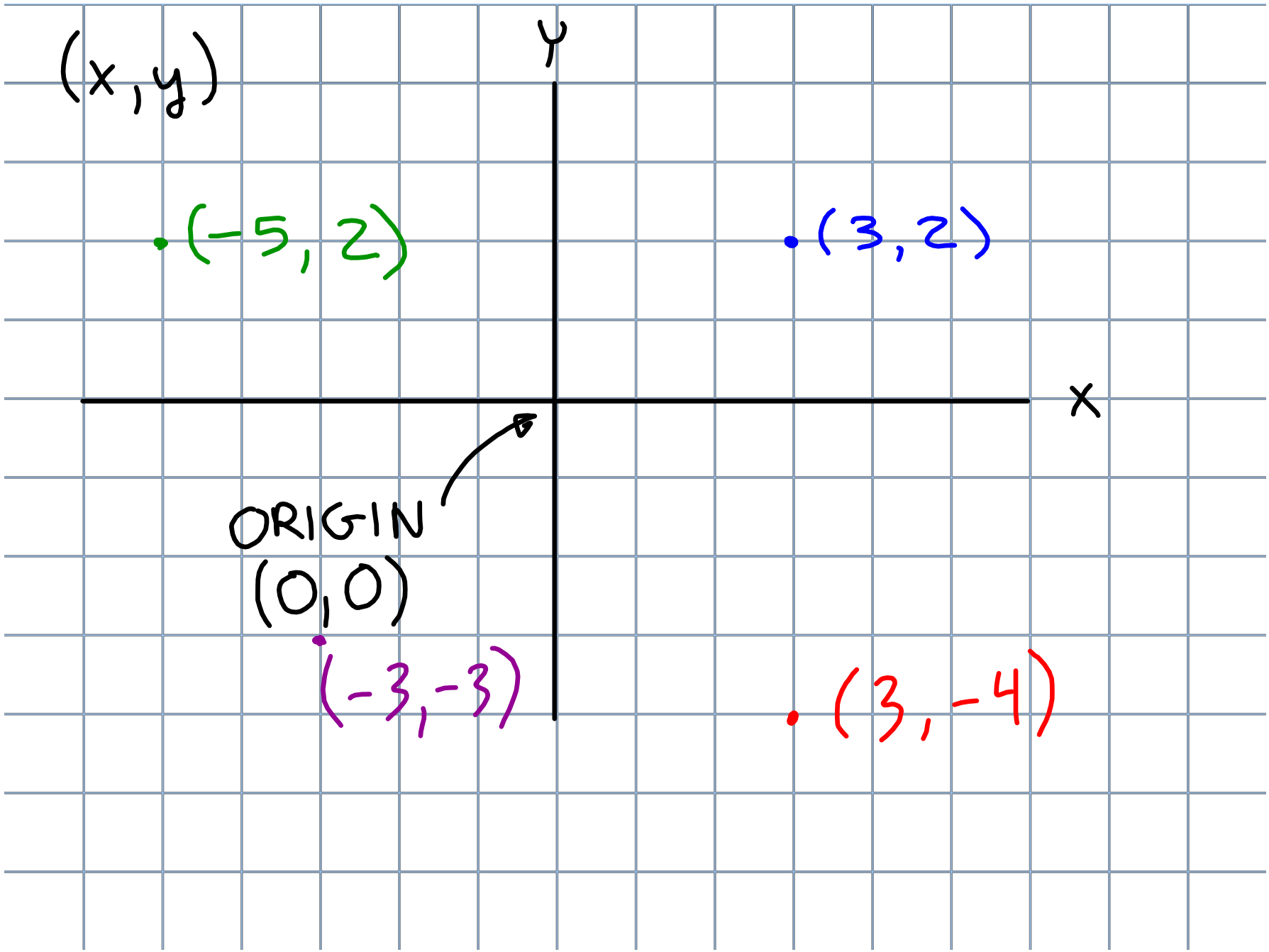
Cartesian Coordinate System

Navigating in A+CAD

and ESNAPS


(x, y)
y
x
(-5, 2)
(3, 2)
ORIGIN
(0, 0)
(-3, -3)
(3, -4)

Important to know about the Cartesian Coordinate System because that is how A+CAD works.

There are 4 primary ways to place something in A+CAD:

1. Just click on the screen with the mouse
(less precise but easy)

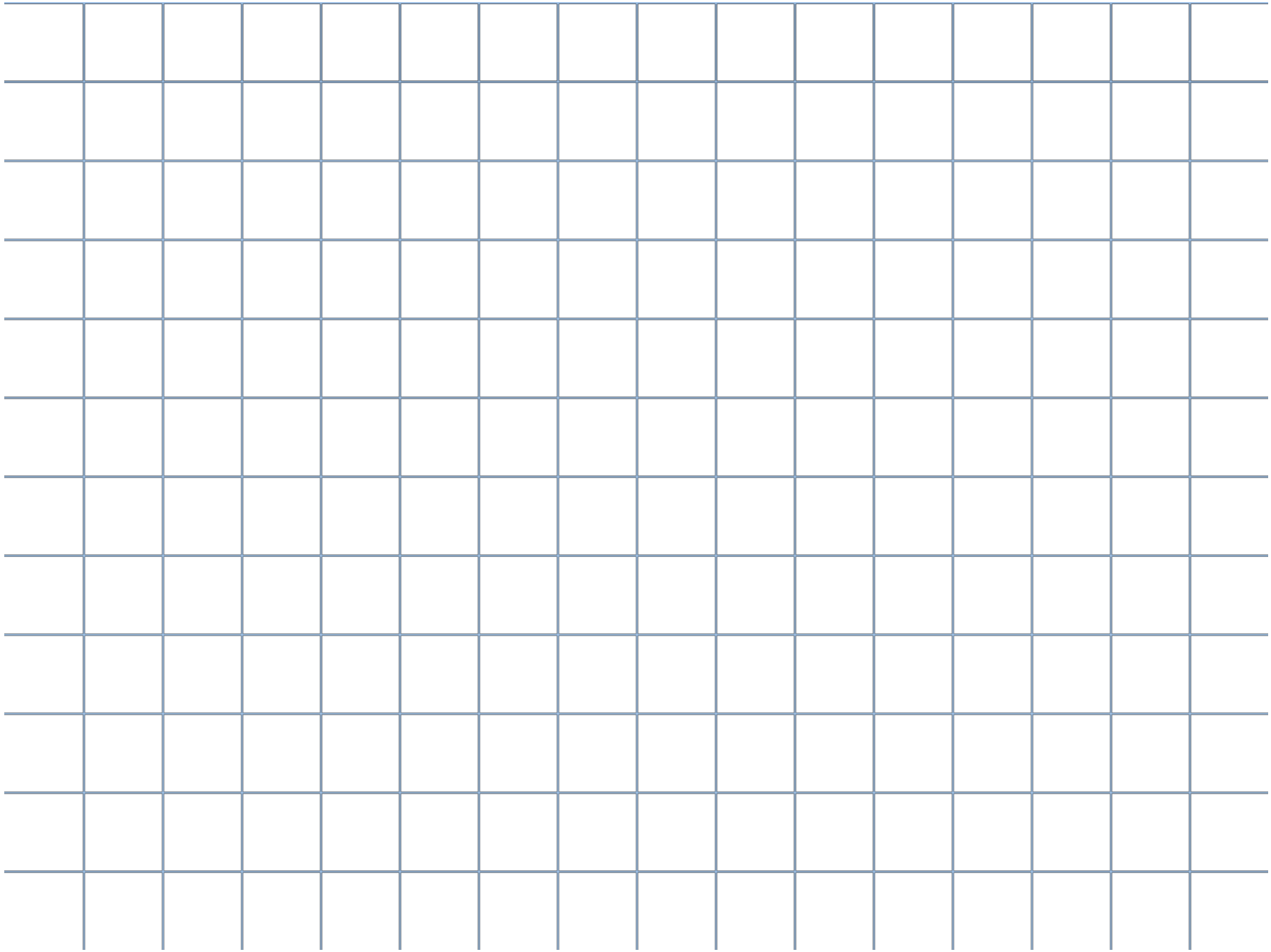
2. Absolute Coordinates
(requires a bit of thinking)

3. Relative Coordinates
(easier than absolute)

4. ESNAPS
(easiest and makes things exact)

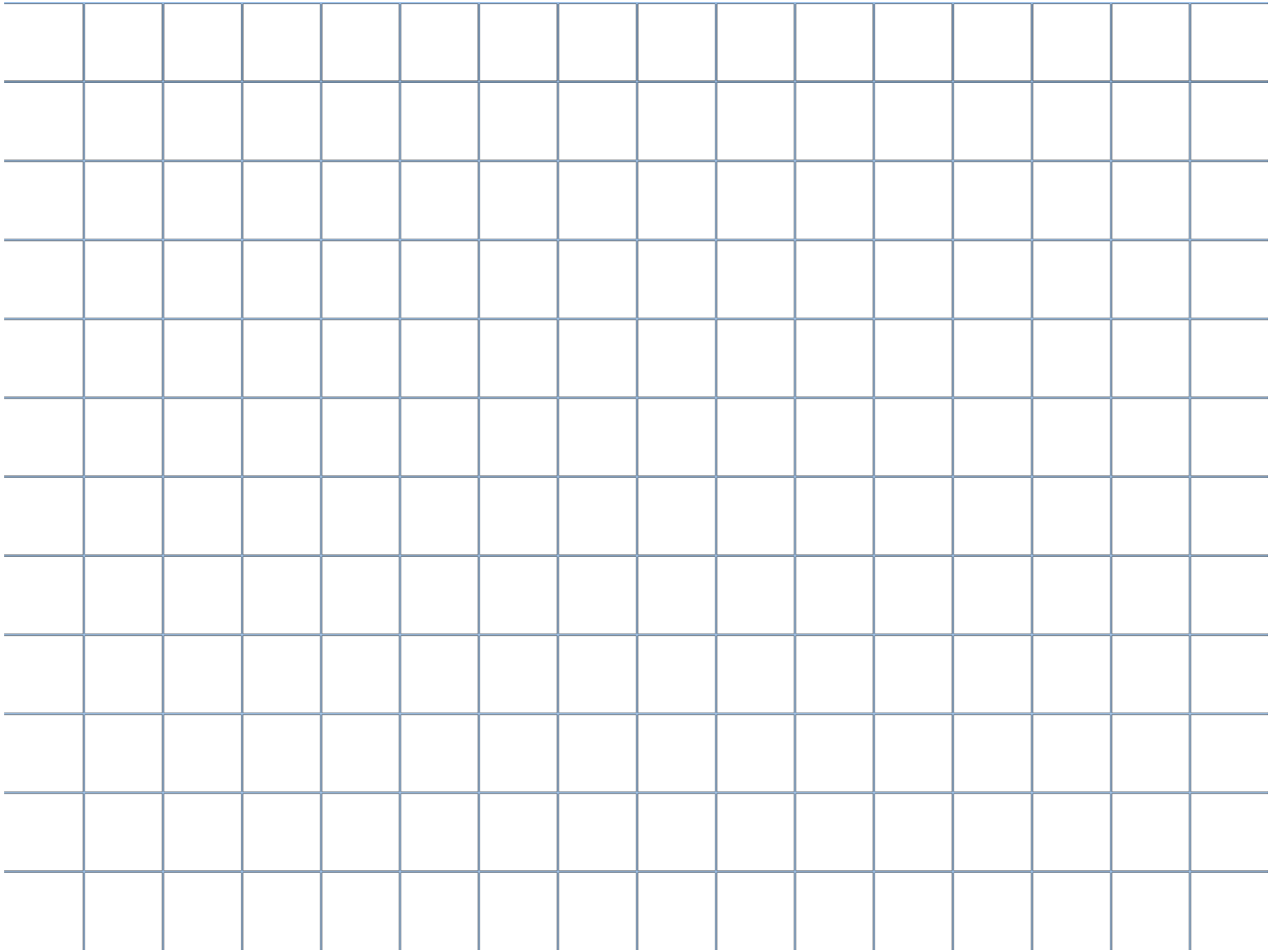
2. Absolute Coordinates

- When a location is requested, put in x,y
- Don't click with the mouse



3. Relative Coordinates

- Specify a starting point with the mouse, drag the mouse in direction of your line, & enter a #
  - You may want ORTHO on
- OR Enter @ x, y
  - Don't forget (-) when going left or down

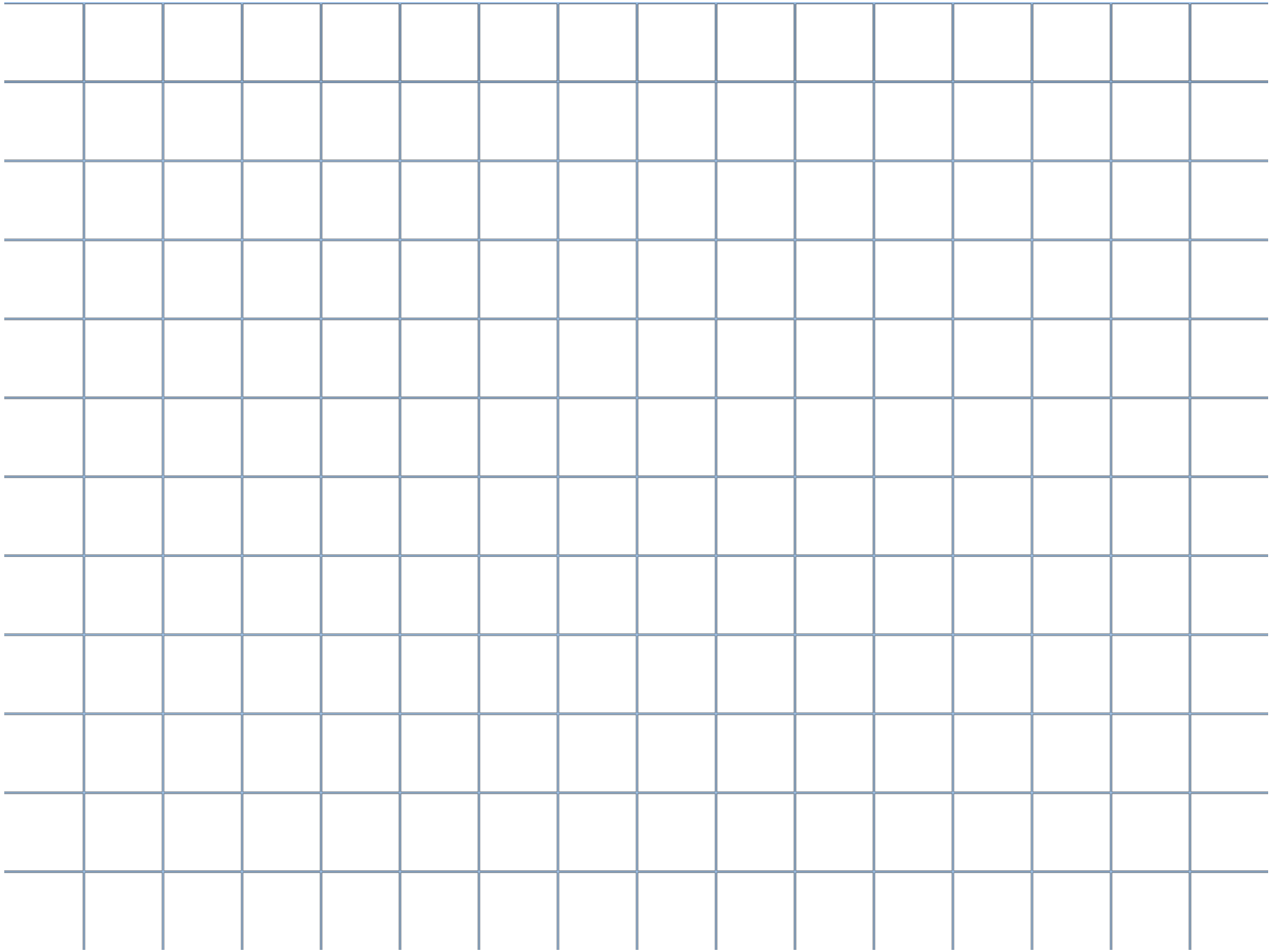


4. ESNAPS (short for "entity snaps)

- MUST HAVE SOMETHING TO SNAP TO
- CAN TURN THIS ON/OFF
- LOOK FOR YELLOW TARGETS
  - □ ENDPOINT
  - △ MIDPOINT
  - ○ CENTER OF A CIRCLE

To Label The Coordinates of Something:

Insert
↳ Dimensions
↳ Ordinate



Today:

1) CAD2
2) CAD3

} YELLOW SHEET

PRINT THESE
(LANDSCAPE, USE YOUR NAME)