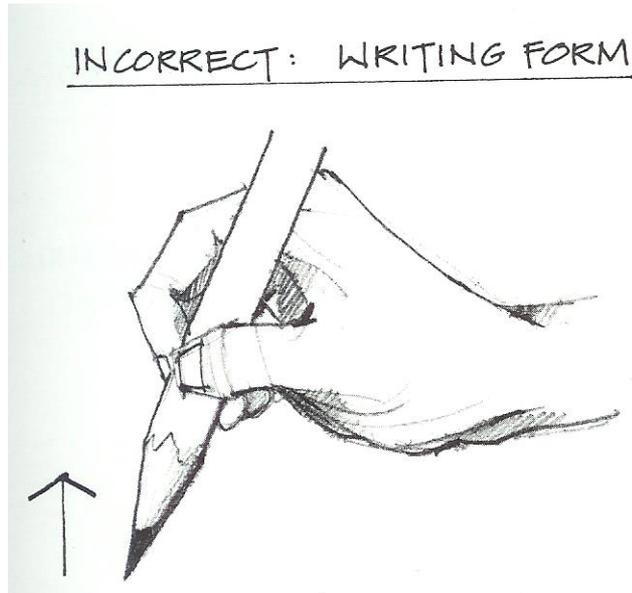


Free-hand Sketching Techniques

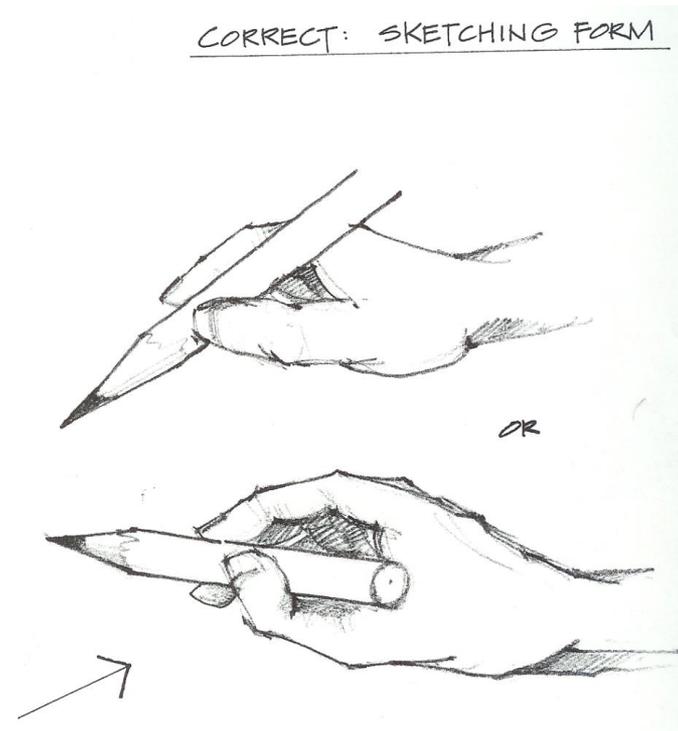
Warming up exercises
Line technique

Sketching techniques exercise

- ▶ Incorrect form: Writing and detailing



- ▶ Correct form: Sketching



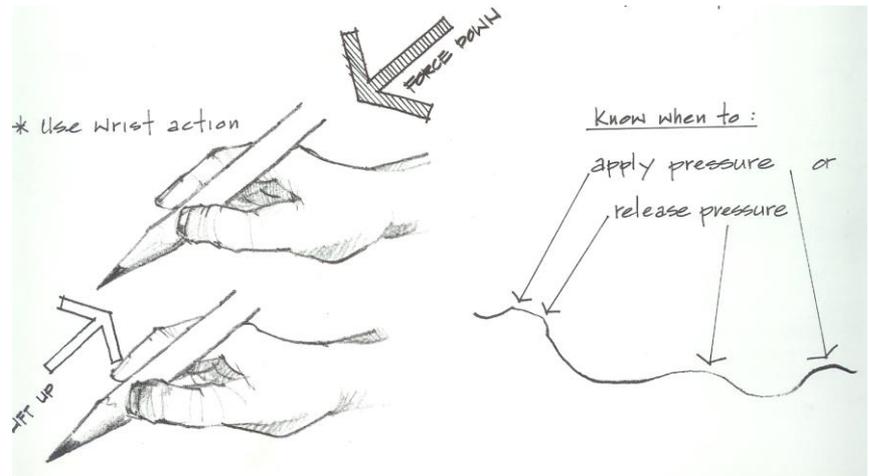
Line exercise

- ▶ Draw a straight line in one stroke
 - ▶ Without stopping and starting to correct for direction
 - ▶ Draw 5 strokes
- ▶ Draw Corner with lines
 - ▶ Draw 5 corners



Curve line exercise

- ▶ Show line weight variation and pressure
 - ▶ Use wrist action
 - ▶ Know when to: apply pressure or release pressure
- ▶ Draw curve line in one stroke
 - ▶ Draw 5 strokes

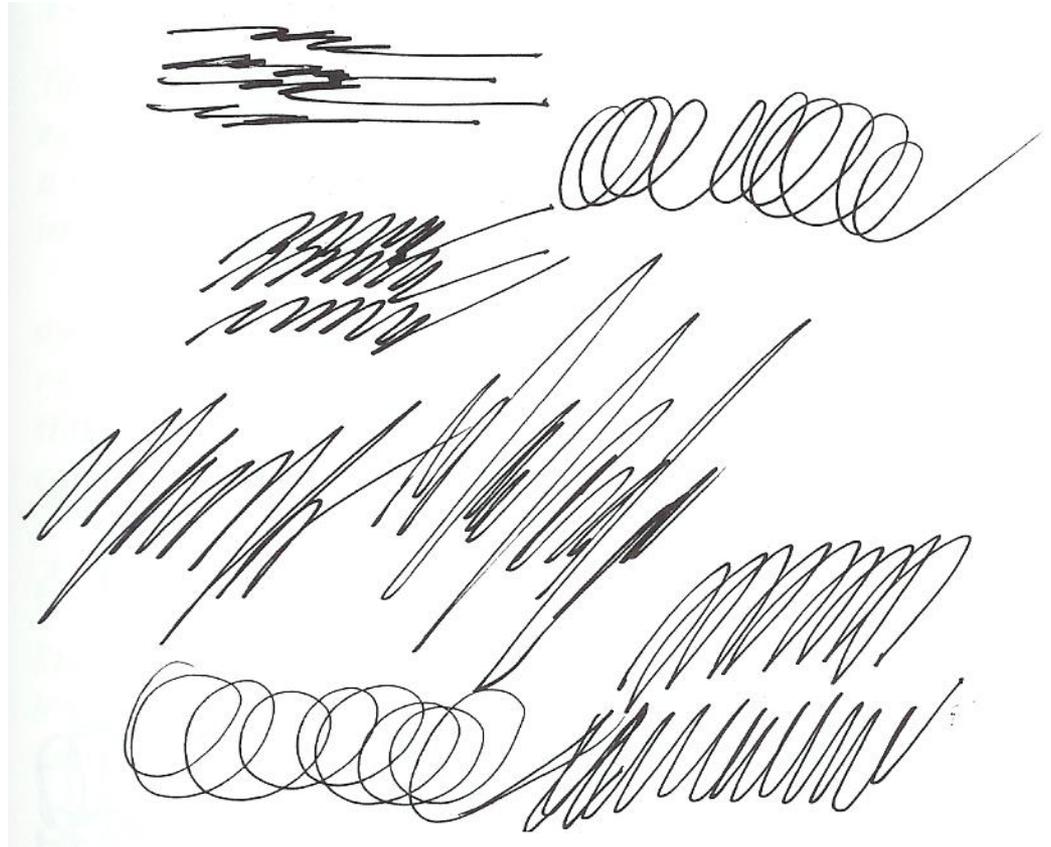




Line Exercise

Line exercise

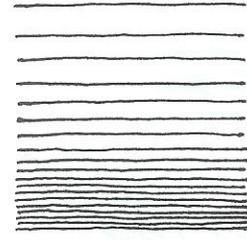
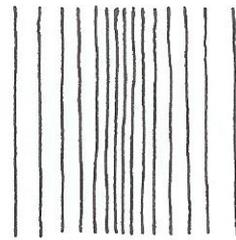
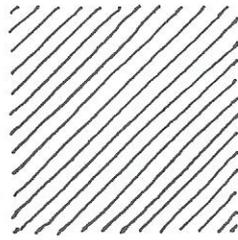
- ▶ “Loosen-up” exercises
 - ▶ Fast
 - ▶ Loose
 - ▶ Serve as warm-up



Line Control Exercise

▶ Line Consistency

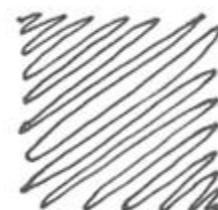
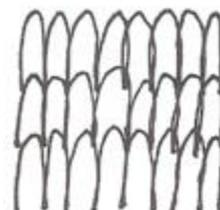
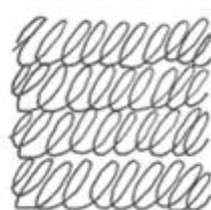
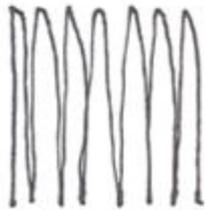
- ▶ Keep equal spacing
- ▶ Horizontal , diagonal, vertical lines
- ▶ Keep line consistent
- ▶ Control is the key
- ▶ Make 1" x 1" square for each directional line below



Line Control Exercise

- ▶ **Line Consistency with Variety**

- ▶ Use imagination to draw interesting line movements
- ▶ Make 1" x 1" square for each curvilinear line below



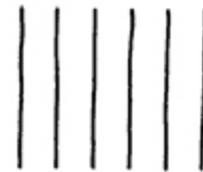
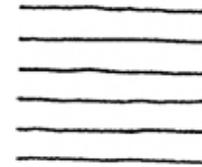
Estimate line exercise for next slides

- ▶ Learning activity
- ▶ 'Practice makes perfect' - so if a particular exercise doesn't look right, do it again, and keep practicing until you're happy with your efforts.
- ▶ Do all your drawing freehand without a ruler.
- ▶ When you finish each exercise, check your measurements with a ruler, to see how accurate your estimates were.
- ▶ The same applies to the drawings that require angles - check your angles when you've finished.

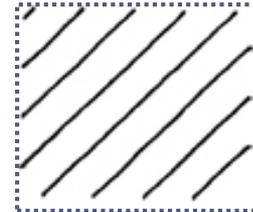


Line consistency exercise

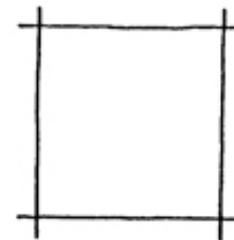
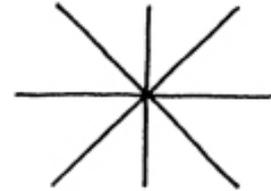
1. Draw a horizontal line about 1" long, and then another 5 lines underneath, each separated by about $\frac{1}{4}$ ".
2. Draw a vertical line about 1" long, and then another 5 lines beside it, separated by about $\frac{1}{4}$ ".



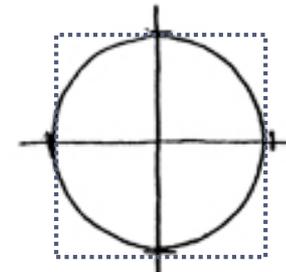
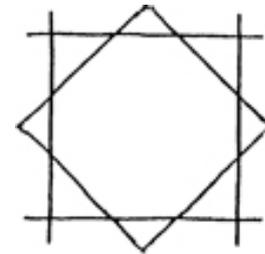
-
- ▶ Draw a faint dotted line in a 1" square, and then draw diagonal lines inside the square, separated by $\frac{1}{4}$ ".
 - ▶ Draw a faint dotted line in a 1" square, and then draw one horizontal and one vertical line in a cross shape. Check the angle in the middle for square once you've finished.



-
- ▶ Draw the cross again, and then add two diagonal lines. Check the two right angles in the middle for square.
 - ▶ Draw a square, with each side about 1" long. Check the corners for square when you've finished.

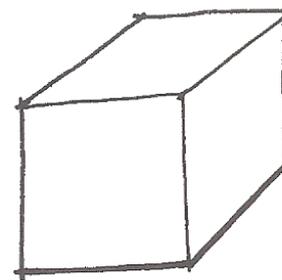
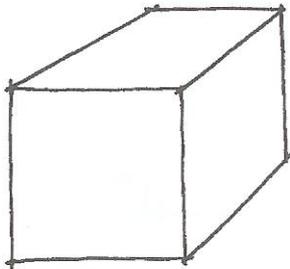


-
- ▶ Draw another 1" square, as before, and then draw a diamond on top. Check all corners for square when you've finished.
 - ▶ Draw a faint dotted line in a 1" square. Draw a cross shape. Mark 1/2" from the center in all four directions. Then draw four separate arcs, so that they meet up as a circle.



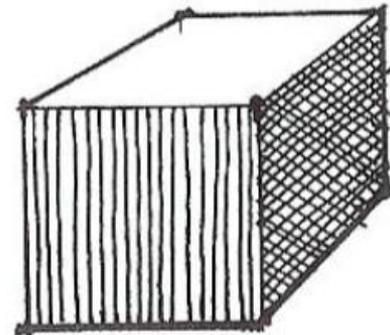
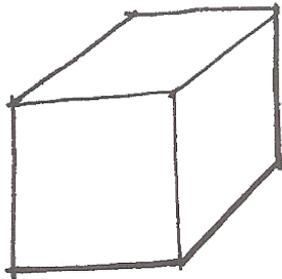
Line weights exercise

- Use direct line to sketch this image
 - Light line (optional)
 - Sketch the outline of the cube
 - Medium line
 - ▶ To express the surface structure of a three-dimensional volume
 - ▶ To distinguish the inner edges from the outer profile of a form
 - Avoid using sketchy line
- ▶ Now add profile line
 - ▶ Heavy line
 - ▶ Show the edges where solid matter meets spatial void
 - ▶ Define the shape and profile of objects (distinguish one object from another where they overlap in space)



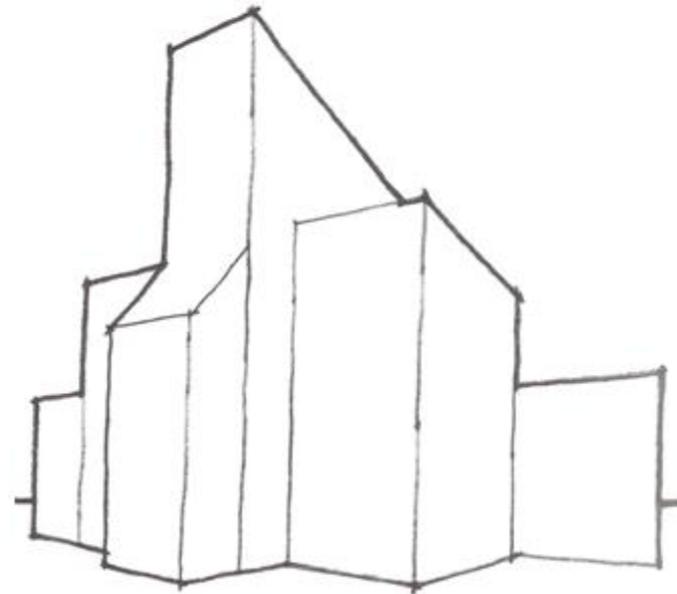
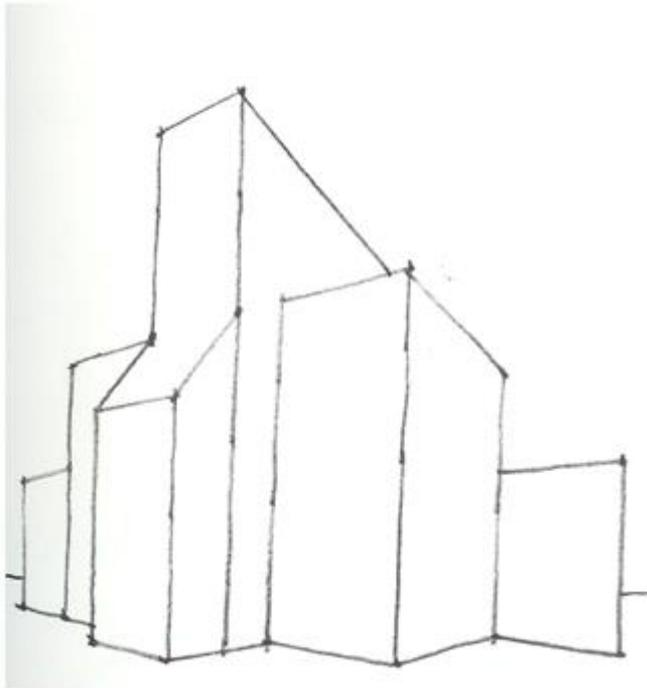
Line weights exercise

- Use direct line to sketch this image
 - Light line
 - ▶ Indicates distinct changes in color, tonal value, or texture on the surface of a plane or volume
 - ▶ Hidden lines
- Avoid using sketchy line



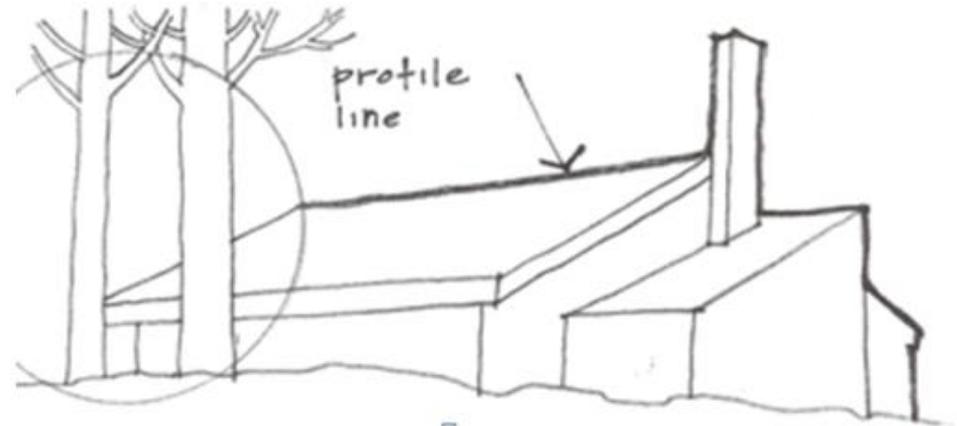
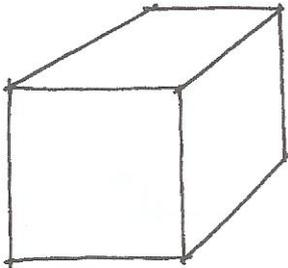
Line weights exercise

- Use direct line to sketch this image
 - Medium line
 - Avoid using sketchy line
- ▶ Now add profile line
 - ▶ Heavy line



Sketch #1 - Line consistency

- Use direct line to sketch these images
 - Medium line only
- Avoid using sketchy line
 - ▶ Sketch out both images
 - ▶ Do not add profile lines



Sketch #2a - Line weight variation

▶ Sketch out these images

- ▶ Show line variation
- ▶ Use 3 different pencil leads
 - ▶ Light (add sidings and shingles)
 - ▶ Intermediate
 - ▶ Heavy (profile)

- ▶ Show the change of line thickness

