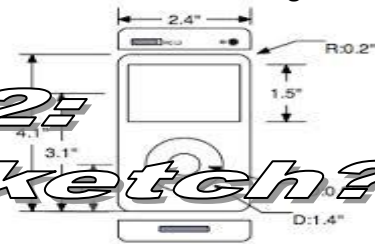




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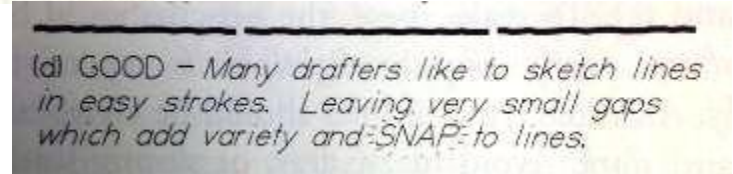
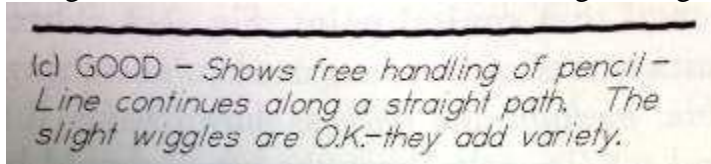
Basic Technical Drawing
Mechanical drawing



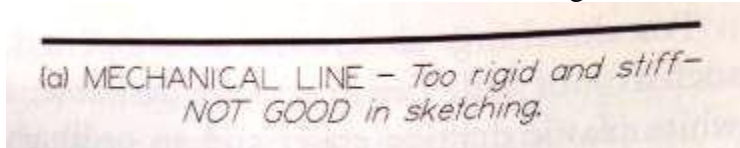
AIM #2: *What is a sketch?*

Sketch:

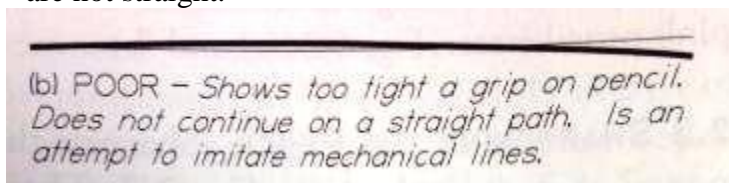
1. This is any drawing that is created without any special drawing tools.
2. A good sketch has lines that continue along a straight path using short overlapping strokes.



3. The lines in a sketch should not be too ridged and stiff.



4. Poor lines in a sketch tend to show too tight a hold on the pencil. This tends to create lines that are not straight.

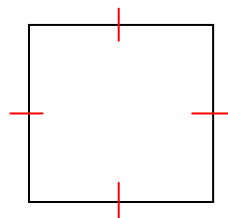


How to sketch circles and arcs:

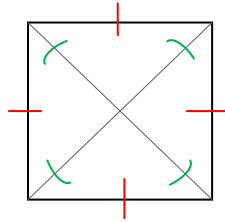
1. A circle can be sketched using various methods, and techniques.

You can sketch an arc or circle by doing the following:

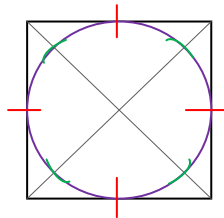
- A. Lightly sketch an enclosed square marking the midpoints on all sides.



B. Draw light diagonals and mark off the estimated radius-distance on each end.

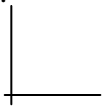


C. Create the circle by drawing through the midpoints.

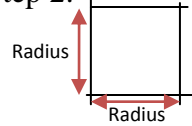


2. When creating arcs you basically use the much of the same drawing technique used in sketching circles. The difference here is that you will be drawing a quarter of the circle.

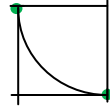
Step 1:



Step 2:

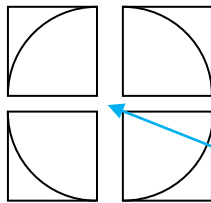


Step 3:



A. Arcs and concentric circles are best controlled by sketching squares.

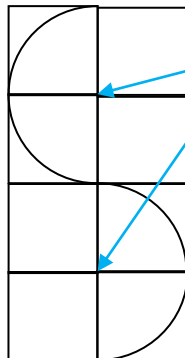
A1.



← Arcs

Concentric:
This means having a
common center.

A2.



← Tangent Arcs