Freehand Sketching Exercise

The process of engineering begins with an idea. The ability to communicate any idea requires its translation into words and pictures that others can understand. Technical sketching is a tool that an engineer or inventor uses to articulate his or her vision. As projects proceed, these first sketches may eventually become detailed mechanical drawings, which precisely indicate measurements and other critical details. From these drawings, the first prototype can be manufactured. The freehand sketch is where ideas become reality.

Draw in the boxes
Use blank sheets of paper to sketch the shapes shown in the boxes below.
You will need a sharp pencil.

In this exercise, you are drawing “freehand”. The exercise is designed to help you develop proper line technique as you learn to keep things in proper proportion. Don’t grip the pencil too tightly. Initially pay more attention to keeping your lines light, these lines are known as developmental lines. When you begin to sketch things the way you want them then darken your lines. These are called object lines. Pay attention to keeping things in proper proportion. Keep your drawings neat.

NAME

DATE