# WORKSHEET A1.1

# Object-Oriented Programming

**Create a new class in your DrawShapes project called DrawFace.java.** You can use DrawHouse to get you started on this code.

This code will create a DrawingTool object called *marker* and a SketchPad object called *poster*. The *poster* will have dimensions of 600 x 600, and the *marker* will be constructed and used on the *poster.* Each drawing will begin at the center of the poster at the point (0,0).

DrawingTool marker;

SketchPad poster;

poster = **new** SketchPad(600,600);

marker = **new** DrawingTool(poster);

1. Write code that will draw the following figure. The lower left corner is at the point (0,0), and the length of each side of the square is 200 units. The upper left part of the mouth begins at (40,60), and the upper part of the nose begins at (100,100). The eyes each have a radius of 10 units and are centered at (60,150) and (140,150). The other key points are left for you to decide. Have fun!

