1. Confirm that the areas for the three objects in the “Vision4” image created in class on 10/12/01 are:
   - Area1 = 120  (screwdriver handle)
   - Area2 = 53    (pencil)
   - Area3 = 157  (tape roll)

2. Confirm that the orientation angles for the three objects in the “Vision4” image created in class on 10/12/01 are:
   - \( \theta_1 = -54.6^\circ \)      (screwdriver handle)
   - \( \theta_2 = +58.3^\circ \)     (pencil)
   - \( \theta_3 = +71.3^\circ \)     (tape roll)

3. Determine the perimeter lengths, areas, and orientation angles for the “image” given below (available on the ME 465 website as imageHW7.mat).
   - Show the output from Matlab as you solve the problem, but don’t print the large matrices (use the semicolon ; to suppress printing the outputs).
     ```matlab
     >> load imageHW7
     >> image( imageHW7 );
     >> h = histogram( imageHW7 );
     >> ...
     ```
   - Attach a copy of the Matlab subroutines you use to compute the first and second moments of inertia