Section 3: Drawing Exercises

1) The following Processing program contains several errors. Find and fix them all.

   **Erroneous code:**
   ```
   size 300, 300;
   rect(100 200 40 50);
   lines(100, 200, 140, 250)
   ```

   **Fixed code:**
   ```
   size 300, 300;
   rect(100 200 40 50);
   lines(100, 200, 140, 250)
   ```

2) Write code below that creates a drawing canvas of size $200 \times 150$ and then draws an ‘X’ across the diagonals of the canvas.

3) Draw out the result of running the Processing code on the left in the grid on the right.

   ```
   ellipse(7, 7, 9, 12);
   ellipse(5, 5, 4, 4);
   ellipse(9, 5, 4, 4);
   ellipse(5, 5, 1, 1);
   ellipse(9, 5, 1, 1);
   triangle(6,7, 8,7, 7,9);
   ```

4) Write the Processing code that would draw the house shown below. You may find it helpful to start by labeling important coordinates.

   ```
   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ```

5) On the course website, navigate to the Taijitu lab page and complete that lab assignment to get checked off. [partners]