

Section 3 Drawing Exercises **Solutions:**

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:

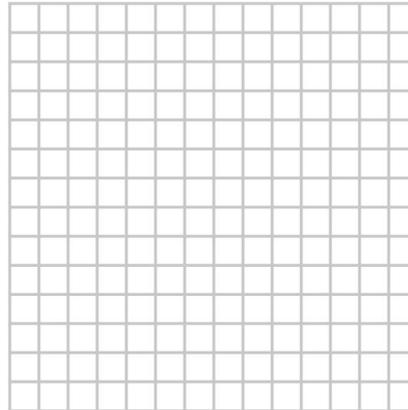
```
size(300, 300);  
rect(100, 200, 40, 50);  
line(100, 200, 140, 250);
```

2) Write code below that creates a drawing canvas of size 200×150 and then draws an 'X' across the diagonals of the canvas.

```
size(200, 150);  
line(0, 0, 199, 149); // numbers close to this are fine  
line(0, 149, 199, 0); // numbers close to this are fine
```

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);
```



It's a bird (owl?) face @v@

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

One possible solution:

```
triangle(7, 1, 3, 5, 11, 5);  
rect(3, 5, 8, 8);  
rect(8, 9, 2, 4);
```

