1. How many bits/bytes are needed to store a color picture that is 200 pixels wide and 300 pixels high? Assume color is represented using the RGB technique and that no special compression technique is used. Express your answer as approximate number of KB or MB, etc., as appropriate. Show your work and fill in the answers below:

# pixels

# bytes

# bits

2. Consider the following applet code for drawing a simple emoji:

```java
page.setColor(Color.yellow);
page.fillOval(100, 100, 60, 60);  // face
page.setColor(Color.black);
page.drawArc(110, 130, 40, 20, 190, 160); // mouth
page.fillOval(120, 120, 5, 5); // left eye
page.fillOval( , , , ); // right eye
```

a) Look at the code for the mouth. Is it smiling or frowning or neither?
b) Sketch the image below. Be sure to show the coordinates for all the shapes.
c) Fill in the missing code for the right eye.