1. \(-2 + 4 = 7\)  
   \(4 - 2 = 3\)  
   \(2 + 11 = 5\)

2. Many a student in the computer of fred  
   Many a computer in the department of major  
   Many a department in the honor of fred  
   Many a baz in the bar of foo

3. everywhere there had a old  
   here macdonald had a there  
   there quack had a everywhere  
   farm duck had a here  
   old macdonald had a farm

4. import java.awt.*;  // Part (a) solution

   public class SquaresA {
       public static void main(String[] args) {
           DrawingPanel p = new DrawingPanel(300, 200);
           p.setBackground(Color.CYAN);
           Graphics g = p.getGraphics();
           g.setColor(Color.RED);
           for (int i = 1; i <= 5; i++) {
               g.drawRect(50, 50, i * 20, i * 20);
           }
           g.setColor(Color.BLACK);
           g.drawLine(50, 50, 150, 150);
       }
   }

5. import java.awt.*;  // Part (c) solution (incorporates Part b)

   public class SquaresC {
       public static void main(String[] args) {
           DrawingPanel p = new DrawingPanel(400, 300);
           p.setBackground(Color.CYAN);
           Graphics g = p.getGraphics();
           drawFigure(g, 50, 50, 100);
           drawFigure(g, 250, 10, 50);
           drawFigure(g, 180, 115, 180);
       }
       public static void drawFigure(Graphics g, int x, int y, int size) {
           g.setColor(Color.RED);
           for (int i = 1; i <= 5; i++) {
               g.drawRect(x, y, i * size / 5, i * size / 5);
           }
           g.setColor(Color.BLACK);
           g.drawLine(x, y, x + size, y + size);
       }
   }

5. import java.awt.*;

   public class Triangle {
       public static void main(String[] args) {
           DrawingPanel p = new DrawingPanel(600, 200);
           p.setBackground(Color.YELLOW);
           Graphics g = p.getGraphics();
           g.setColor(Color.BLUE);
           g.drawLine(0, 0, 300, 200);
           g.drawLine(300, 200, 600, 0);
           for (int i = 1; i <= 19; i++) {
               g.drawLine(15 * i, 10 * i, 600 - 15 * i, 10 * i);
           }
       }
   }