1. (2 pts) A nested class that is part of a class definition and isn’t declared static is called a **inner** class.

2. (2 pts) **Serif, Sanserif, Monospaced, Dialog, DialogInput** is one of five font families guaranteed to be available on all platforms, and fonts are measured in points which are $1/72$ of an inch.

3. (2 pts) Suppose we have a paintComponent method defined in a subclass of JPanel. If we want to draw a circle whose center is at the middle of the panel and whose edges touch the sides of the panel, what line of code would we use?

   ```java
   g.drawOval(0,0,getWidth(),getHeight())
   ```

4. (2 pts) When a JButton is clicked, an **ActionEvent** object is generated and sent to the **actionPerformed** method associated with a component that is registered to listen for button clicks.

5. (2 pts) Suppose we have a JFrame which is an ItemListener registered to listen for ItemEvents on a JComboBox. Suppose the class definition has an instance variable named count which is not initialized in any constructor of the class. At the end of every call to the itemStateChanged() method the value of count is incremented by 1. When the JFrame is closed, the value of count is printed. Assume all events have occurred before the JFrame closes. Which of the following numbers can never be printed. Explain.

   10 12 18 24 96 108 110 144 146 150 170 199 214 234 274 284 296 300 310 314 317 844

   Since selecting an item in a JComboBox causes two events, one for a deselection and one for a selection, and all events have occurred before the JFrame is closed, the value of count cannot be an odd number. So of the numbers given, count can never be 199 nor 317.