CIS 121 - Quiz 8 - Thursday, October 21, 2004

Name: ___________________________  J Number: ___________________________

1. (2 pts) Suppose we have the following HTML code which will instruct a browser to load and execute an applet.

```html
<applet code=Question1 width=200 height=200>
<param name="numbers" value="1;2;3;4;5">
</applet>
```

Show exactly one line of code which will appear in the applet’s init method that will create a String array called numbers which contains Strings holding the numbers which appear in the String associated with the parameter numbers.

2. (2 pts) Suppose we want to draw a circle on an applet’s window whose center is at the center of the applet and whose radius is 1/8 of the width of the applet. Fill in the following method.

```java
public void paint(Graphics g) {
    g.drawOval(__________________________, ____________________________, ____________________________, ____________________________);  
}
```

3. (2 pts) The program that loads and executes an applet is called its __________________________, and to remove the layout manager from an applet we use the method call ____________________________.

4. (2 pts) Suppose we have an applet with an instance variable of type JButton whose name is button. Fill in the following code that will double both the width and height of the button and move the button so that its lower right corner is the same as the lower right corner of the applet.

```java
button.setSize(__________________________, ____________________________);  
button.setLocation(__________________________, ____________________________);  
```

5. (2 pts) Suppose we have an applet which implements the ActionListener interface and is registered to listen for clicks on JButtons. Recalling what the method getSource() returns, fill in the following method so that the button that is clicked moves 10 spaces to the right and 10 spaces down.

```java
public void actionPerformed(ActionEvent e) {
    JButton source = (__________________________)e.getSource();  
    
    }  
```