2. Given a Random object named `gen`, what range of values are produced by the following expressions?

- `gen.nextInt(8)` ______
- `gen.nextInt(50) + 10` ______
- `gen.nextInt(8) - 10` ______

3. Suppose you have the following declarations, evaluate some expressions:

```java
String word = "kitten";
int num = word.length();
```

```
num ___ word.charAt(1)___ word.charAt(4)___ word.charAt(num-1) ___
```

4. Show the output produced:

```java
String hope = "puppy";
int n = 0;
while (n < hope.length())
{
    if(hope.charAt(n) > 's')
        System.out.print(hope.charAt(n) + "*");
    n++;
}
```

Output:

```java

```
Quiz 4  2/23/17  Name:___________________________  ___/20

1. Complete the code for the applet that produces the image to the left.
   ```java
   import javax.swing.JApplet;
   import java.awt.*;
   public class Mystery extends JApplet {
       public void paint (Graphics page) {
           page.drawLine (10, 60, 90, 60);
           page.drawLine (10, 100, 90, 100);
       }
   }
   ```

2. Given a Random object named `gen`, what range of values are produced by the following expressions?
   - `gen.nextInt(4)`  __________
   - `gen.nextInt(20) + 100`  __________
   - `gen.nextInt(4) - 15`  __________

3. Suppose you have the following declarations, evaluate some expressions:
   ```java
   String word = "kitten";
   int num = word.length();
   ```
   ```java
   num __ word.charAt(1)____
   word.charAt(4)___ word.charAt(num-1) ___
   ```

4. Show the output produced:
   ```java
   String hope = "someday";
   int n = 0;
   while (n < hope.length()) {
       System.out.print(hope.charAt(n) + "*");
       n = n + 2
   }
   ```
   Output: