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- 4.2) C) the toString method is called on the object to get the string to print
- **4.6)** D) more than one method with the same name

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- **4.4)** F
- **4.5)** T

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4.19) Write a method called floatEquals that accepts three floating-point values as parameters. The method should return true if the first two parameters are equal within the tolerance of the third parameter. Hint: See the discussion in Chapter 3 on comparing floating-point values for equality.

4.21) Write a method called isIsoceles that accepts three integer parameters that represent the lengths of the sides of a triangle. The method returns true if the triangle is isosceles but not equilateral (meaning that exactly two of the sides have an equal length), and false otherwise.

```
public boolean isIsoceles (int side1, int side2, int side3)
{
   boolean result = false;

   if ( (side1 == side2) && side1 != side3) ||
        (side2 == side3) && side2 != side1) ||
        (side1 == side3) && side1 != side2) )
        result = true;

   return result;
}
```

4.22) Write a method called randomInRange that accepts two integer parameters representing a range. The method should return a random integer in the specified range (inclusive). Return zero if the first parameter is greater than the second.

```
// assumes java.util.Random is imported
public int randomInRange (int first, int second)
{
   int result = 0;
   Random generator = new Random();

   if (first <= second)
   {
      int range = second - first + 1;
      result = generator.nextInt(range) + first;
   }

   return result;
}</pre>
```