Worksheet W.A.5.2 Name_____

MATH OPERATORS

Find the exact output to the following code that uses the DrawingTool and SketchPad classes from lessons 1 and 2. Some identifiers need to be assigned using the skills learned in this lesson. You may want to use graph paper positioned sideways (landscape) to sketch your drawing. Put the point (0,0) at the center of the page and let each line represent 20 units.

```
import apcslib.*;

public class Mystery
{
  public static void main(String[] args)
  {
    DrawingTool brush;
    SketchPad backdrop;

    backdrop = new SketchPad(600,600);
    brush = new DrawingTool(backdrop);

    brush.up();
    int num1 = -160 + 59 / 6 % 5 + 6;
    brush.move(num1,0);
    brush.down();
    int radius1, radius2;
    radius1 = radius2 = 9 * 5 - 5 * (8 % 5);
    brush.drawCircle(radius1);
    brush.up();
    brush.move(-120,0);
    brush.down();
    brush.move(120,0);
    brush.up();
    brush.move(150,0);
    brush.down();
    brush.drawCircle(radius2);
    brush.up();
    brush.move(180,0);
    brush.down();
    int num2 = 200 + (int)(25.68 / 3.2) + (int)(4.2 * 2.9);
    brush.move(num2,0);
    brush.move(230,10);
    brush.move(230,90);
    int tempNum = 219;
    int num3 = ++tempNum;
    brush.move(num3,100);
    tempNum = 120;
    int num4 = tempNum++;
    brush.move(num4,100);
    brush.move(120,80);
```

```
    brush.move(50,80);
    int num5 = 80;
    num5 += 20;
    brush.move(50,num5);
    brush.move(30,100);
    int num6 = -210;
    num6 -= 10;
    brush.move(num6,40);
    brush.move(-220,10);
    brush.move(-210,0);
    int num7 = -200;
    num7 = num7 + (int)55.2 / 3 + (int)(23.542 % 4.3);
    brush.move(num7,0);
  }
}
```

