









```
double circleRadius = 10;
   double circleRadius2 = circleRadius*circleRadius;
   //Get input point.
   Scanner input = new Scanner(System.in);
   System.out.print("Enter two integers: ");
   double x = input.nextDouble();
                                           Note: This crashes on
   double y = input.nextDouble();
                                           bad input. OK for lab 3
   //Check if outside circle.
   if (x*x + y*y > circleRadius2)
   {
      System.out.println("The point ("+x + ", " + y +
                          ") is outside the circle");
   }
   else
   Ł
      System.out.println("The point ("+x + ", " + y +
                          ") is on or inside the circle");
   }
6
```

```
//Get input point.....
  //Check if outside circle.....
  //Check if outside rectangle
  if (x < -5 || x > 5)
  {
    System.out.println("The point ("+x + ", " + y +
                        ") is outside the rectangle");
  }
  else if (y < -2.5 || y > 2.5)
  {
    System.out.println("The point ("+x + ", " + y +
                        ") is outside the rectangle");
  }
  else
  {
    System.out.println("The point ("+x + ", " + y +
                     ") is on or inside the rectangle");
  }
7
```