* Start
* Declare int num, double pi = 3.14159, double radius = 0, double length = 0, double height = 0, double width = 0, double base = 0, double areaCircle, double areaRectangle & double areaTriangle
* For (;;)
  + Print "Geometry Calculator\n"
  + Print "1. Calculate the Area of Circle\n"
  + Print "2. Calculate the Area of Rectangle\n"
  + Print "3. Calculate the Area of Triangle\n"
  + Print "4. Quit\n"
  + Print "Enter your choice (1-4): "
  + Read num
  + switch (num)
    - case 1:
      * Print "\nWhats the radius of the circle: "
      * Read radius
      * if (radius > 0)
        + Print "\nThe area of the circle is: "
        + areaCircle = pi \* pow(radius, 2)
        + Print areaCircle
        + Print "\n\n"
      * else
        + print "Error! Number isnt a positive.\n\n"
      * break
    - case 2:
      * print "\nWhats the length of the rectangle: "
      * Read length
      * Print "\nWhats the width of the rectangle: "
      * Read width
      * Print "\n"
      * if (length > 0 && width > 0)
        + Print "The area of the rectangle is: "
        + areaRectangle = length \* width
        + Print areaRectangle
        + Print "\n\n"
      * Else
        + Print "Error! Number isnt a positive.\n\n"
      * break
    - case 3:
      * Print "\nWhats the base of the triangle: "
      * Read base
      * Print "\nWhats the height of the triangle: "
      * Read height
      * Print "\n"
      * if (base > 0 && height > 0)
        + Print "The area of the Triangle is: "
        + areaTriangle = base \* height \* 0.5
        + Print areaTriangle
        + Print "\n\n"
      * else
        + Print "Error! Number isnt a positive.\n\n"
      * break
    - case 4:
      * return 0;
    - default:
      * Print "\nINVALID INPUT\n\n";