Algorithm for Area and Circumference of a Circle

Inputs:

• radius of the circle

Outputs:

- the area of the circle
- the circumference of my circle

Relevant Constants and Formulas:

- area of a circle = PI x Radius x Radius
- circumference of a circle = 2 x PI X Radius

Main Algorithm (numbered steps)

- 1. Get the circle radius
- 2. Calculate the area
- 3. Calculate the circumference
- 4. Display the results to the user

Step 2 Refinement

2.1 assign the results of PI * radius * radius to a variable representing area

Step 3 Refinement

3.1 assign the results of 2 * PI * radius to a variable representing circumference