

Assignment 1 (10 points)

Due Date: 09/16/2014

Complete **Programming Project 50** on **Page 92** of the text. The assignment description is repeated here for convenience.

Write a program to compute and output the perimeter and the area of a circle having a radius of 3.2 inches.

Additional notes:

- Your program should neatly display the results. You are free to decide how you want the display to look. One possible output format is shown below.
- The converted values must be computed by the program in equations. In other words, using a calculator to find the answer and then simply plugging that into println statements is not acceptable.
- Use constants and variables as much as possible.
- The area of a circle is defined as πr^2 , where π is the symbol for pi for which you can either use the value of 3.14159 or use the Java Math.PI value; and r is the radius of the circle. This will be discussed in class during Week 2.
- The perimeter of a circle is defined as $2\pi r$ or two times pi times the radius.

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CIT111 Spring 2014 Assignment 1
Susie Programmer
Circle Information
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For a circle with a radius of 3.2 inches:
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The area = 32.17 square inches
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The perimeter = 20.11 inches
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Thank you for computing circle statistics today.
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Your deliverable:

- A zip file containing all files associated with the Netbeans project, uploaded to the Blackboard assignment.