

# Coding Challenge #5: Circumference and Area of a Circle

In this coding exercise, you will write a program that will take the radius of a circle and return its circumference and area.

## We'll cover the following ^

- Problem Statement
  - Input
  - Expected Output
- Coding Exercise

## Problem Statement #

Write a program containing two functions to calculate the circumference and area of a circle defined by its radius. Here are some tips for solving this exercise:

- Circumference and area calculation formulas should be part of your secondary school memories... Or a Google click away :)
- The value of number  $\pi$  (Pi) is obtained with `Math.PI` in JavaScript.
- You might want to use the [exponentiation operator](#) `**` to perform computations.

## Input #

```
circumference(2);
circumference(12);

area(20);
area(4);
```

## Expected Output #

12.566370614359172

75.39822368615503

1256.6370614359173

50.26548245743669

## Coding Exercise #

```
1 function circumference(radius){  
2  
3 }  
4  
5 function area(radius){  
6  
7 }
```

