Lab 1

Write a program that reads in the radius and length of a cylinder and computes the area and volume using the following formula:

```
area = radius * radius * π
volume = area * length
```

Here is a sample run:

Enter the radius of a cylinder: 5.5 Enter the length of a cylinder: 12

The volume is 1140.4

Notes:

- Your program displays "Enter the radius of a cylinder:" the user enters a real number, 5.5 for example.

 Then your program displays "Enter the length of a cylinder:" the user
 - Then your program displays "Enter the length of a cylinder:" the user enters an integer number, 12 for example.
- $\bullet~$ For the value of $\,\pi$, please use Math.PI which is a constant defined in the Math class.

Marking Scheme

• [10 marks] Program works without any bugs.