

## **CSE321 Advanced Computer Programming**

### **Lab 01**

- 1) For each of the following geometric shapes, write a program that computes and prints both its area and perimeter:
  - a) A rectangle with width and height of 4 and 5.5 respectively
  - b) A square whose side equals 10
  - c) A circle whose radius equals 3.2Use floating-point numbers for all computations.

- 2) What is the exact output of the following program?

```
public class ContinueTest {  
    public static void main(String[] args) {  
for(int i=0;i<10;i++){  
    if (i%2 == 0)  
        continue;  
    System.out.println(i+ " " + i * i);  
    }  
}  
}
```

- 3) What if in the problem above continue is replaced by break?
- 4) Using nested loops, write a program that prints the character '\*' repeatedly forming the triangular shape shown below.  
\*  
\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*  
5) Write a method that computes and returns the sum of an array of integers.