Lab 1

Problem 1

Write a recursive function that computes the factorial of a given number. Entering 6 would compute 6*5*4*3*2*1 = 720

Problem 2

Write a recursive function to print a multi-digit number vertically. 84172 would be printed:

8
4
1
7
2

Hint: Be sure to test your function with numbers of different length!

Problem 3

Write a recursive function that will print a triangle of x's with *n* rows. An input of 5 should print:

```
    X
   XXX
  XXXXX
 XXXXXXX
XXXXXXXXX
```

Hints: Find a correlation between the row # and # of x's.