

Name:_		 	
Date:			

Python OOP Week 8 HW

Question 1

Note: this function does not return anything.

Write a function to draw an equilateral triangle given the height as input. For example, if height = 5 draw the following

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To start you off here is the beginning of the function.

def draw_equilateral_triangle(height):

blah

blah

Question 2

Note: this function does not return anything.

Write a function to draw a letter P given height as input. You can assume the height will always be at least 4. For example, if height = 4 then draw the following

**** * *

Ugly right? If the height parameter is 7 then print the following

*

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Question 3

Write a function that takes a in a list of positive integers and returns the number that is created when all the numbers in the list are combined together. For example, if the input list is [1, 2, 67, 34] then the function should return 126734.

Question 4 [Challenge]

Write a function that calculates the n^th Fibonacci number and returns it. The first number is 1, the second number is 1, the third number is 2 and the fourth number is 3. So if n = 5 that means the function needs to return the 5^{th} Fibonacci number which is 5. The n^th Fibonacci number is always the sum of the two previous numbers. Bonus points if you do it using recursion. def calculate fibonacci(n):