# Pseudocode Test I

Name:\_\_\_\_\_\_\_

45 min

1. Write a pseudocode program that asks the user to input the day of the week (as a number between 1 and 7). The program should output the name of the day (e.g., 1 = "Monday", 2 = "Tuesday", etc.). If the input is not between 1 and 7, it should output "Invalid input".(4)
2. Write a nested-if pseudocode program that asks the user to input their age and determines if they are eligible to vote. If the user is 18 or older, output "You are eligible to vote." Otherwise, output "You are not eligible to vote."(4)
3. Write pseudocode to check if a year entered by the user is a leap year. A year is a leap year if: It is divisible by 4, but not divisible by 100 unless it is also divisible by 400.(6)
4. Write pseudocode to ask the users to input a series of data until the data is -1, then output the sum of all the data.(4)
5. Write pseudocode to output the factorial of a number.(4)
6. Write pseudocode to calculate and print the N terms of the Fibonacci sequence. The Fibonacci sequence starts with 0 and 1, and each subsequent term is the sum of the previous two terms.

So it’s like: 0,1,1,2,3,5,8,13.....(10)