Pseudocode

Adding Two Numbers

1. Start
2. Declare num 1, num2 and sum
3. Input num1 and num2
4. Sum = num1 + num2
5. Output sum
6. Stop

Area of a Circle

1. Start
2. Declare r, d, a
3. Input r or d
4. If r, proceed to next step; if d, divide d to 2
5. a= 3.14*r^2
6. Output a
7. Stop

Odd or Even Program

A. Procedure
   1. Input number
   2. Divide number by 2
   3. If the answer has no remainder, the number is even
   4. If the answer has a remainder, the number is odd
   5. End

B. Pseudocode

1. Start

2. Display "Input a Number"

3. Read Number

4. If Number MOD 2 = 0 then

  A. Display "Even Number"

  B. Display "Odd Number"

5.End

C. Flowchart

```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                           │
                           ▼
                   ╱───────────────╲
                   │  Input number  │
                   ╲───────────────╱
                           │
                           ▼
                       ╱───────╲
                      ╱   If    ╲
        ◄────────────  number%  ────────────►
                      ╲  2 == 0 ╱
                       ╲───────╱
         │                                    │
         ▼                                    ▼
  ╱────────────╲                     ╱──────────────╲
  │ Display "The │                   │ Display "The   │
  │ number is odd"│                  │ number is even"│
  ╲────────────╱                     ╲──────────────╱
         │                                    │
         ▼──────────────────────────────────►▼
                           │
                           ▼
                    ┌─────────────┐
                    │     End     │
                    └─────────────┘
```