PSEUDOCODES

♦ Adding two numbers
1. BEGIN
2. DECLARE VARIABLE: Num1, Num2, Sum
3. OUTPUT: (Num1=70)
4. INPUT: 70
5. OUTPUT: (Num2=90)
6. INPUT: 90
7. INPUT: (Sum=160)
8. OUTPUT: 160
9. END

♦ Area of Circle
1. BEGIN
2. DECLARE VARIABLE: Radius (R), Pi, and Area
3. OUTPUT: "Use R to get area of circle?"
4. INITIALIZE YES TO USE R TO GET AREA
   4.1. OUTPUT: (R)
   4.2. INPUT: (R)
   4.3. INPUT: (Pi*R*R)
5. INITIALIZE NO TO USE R TO GET AREA
   5.1. INITIALIZE YES TO USE DIAMETER TO GET AREA
       5.1.1. OUTPUT: Diameter (D)
       5.1.2. INPUT: (D)
       5.1.3. INPUT: (Pi*D/2^2)
   5.2. INITIALIZE NO TO USE DIAMETER TO GET
       5.2.1. STOP
6. OUTPUT: (SUM)
7. OUTPUT: "Create New?"
   7.1. INITIALIZE YES TO CREATE NEW
       7.1.1. CALL TO MAIN
   7.2. INITIALIZE NO TO CREATE NEW
8. END

ODD or EVEN

✚ **Procedure**

1. START
2. DECLARE VARIABLE: Number (N)
3. INPUT: N
4. PROCESS: (N) % 2
5. INITIALIZE IF Answer=0
6. OUTPUT:
   IF NOT, FALSE, ODD NUMBER
   IF YES, TRUE, EVEN NUMBER
7. Initialize IF IDENTIFY NEW
   7.1. If yes, go back to Declare Variable
8. If no, STOP

✚ **Pseudocode**

1. BEGIN
2. DECLARE VARIABLE: Number (N)
3. INPUT: (N)
4. PROCESS: (N) %2, IF ==0
5. OUTPUT:
   IF NOT, FALSE, ODD NUMBER
   IF YES, TRUE, EVEN NUMBER
6. INITIALIZE IF IDENTIFY NEW
   6.1. INITIALIZE YES TO IDENTIFY NEW
       6.1.1. CALL TO MAIN
   6.2. INITIALIZE NO TO CREATE NEW
7. END

✚ **Flowchart**