

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

Find the output of the following programs:

```
REM MESSY
```

```
SUB TINY (A, B)  
  LET A = 2 * B  
  LET B = 1 + B  
END SUB
```

```
REM MAIN  
LET X = 5  
LET Y = 7  
PRINT X, Y  
CALL TINY (X, Y)  
PRINT X, Y  
CALL TINY (X, X)  
PRINT X, Y  
END
```

---

```
SUB UNO ( X, Y)  
  LOCAL Z  
  LET Z = X + Y  
  LET Y = X + Z  
  LET X = 2 * Y  
END SUB
```

```
REM MAIN  
LET A = 6  
LET B = 2  
PRINT A, B  
CALL UNO ((A), B)  
PRINT A, B  
CALL UNO (B, B)  
PRINT A, B  
CALL UNO ((A), (B))  
PRINT A, B  
END
```

---

```
REM TWITTY
SUB DWIT (X,Y)
  LOCAL Z
  LET Z = X
  LET X = Y
  LET Y = Z
END SUB
```

```
SUB NIT (X, Y)
  LET X = 2 * Y
  LET Y = Y + 1
END SUB
```

```
REM MAIN
LET A = 2
LET B = 3
PRINT A, B
CALL DWIT (A, B)
PRINT A, B
CALL NIT (B , B)
PRINT A, B
END
```

---

REM PRACTICE

```
SUB MIXUP (A, B)
  LOCAL C
  LET C = A
  LET A = B
  LET B = C
  PRINT A, B, C
END SUB
```

```
SUB ADDNDOUBLE (M, N)
  LOCAL P
  LET P = M + N
  LET P = 2 * P
  LET M = P + N
  LET N = 2 * N
  PRINT M, N, P
END SUB
```

```
REM MAIN
LET X = 2
LET Y = 5
PRINT X, Y
CALL MIXUP (X, Y)
PRINT X , Y
CALL ADDNDOUBLE (Y, X)
PRINT X, Y
END
```