Q.1 Flowchart for adding two numbers

Ans.

```
        ( Start )
            │
            ▼
  ┌─────────────────────┐
  │  Input 2 numbers    │
  └─────────────────────┘
            │
            ▼
  ┌─────────────────────────┐
  │  number 1 + number 2    │
  └─────────────────────────┘
            │
            ▼
        ( end )
```
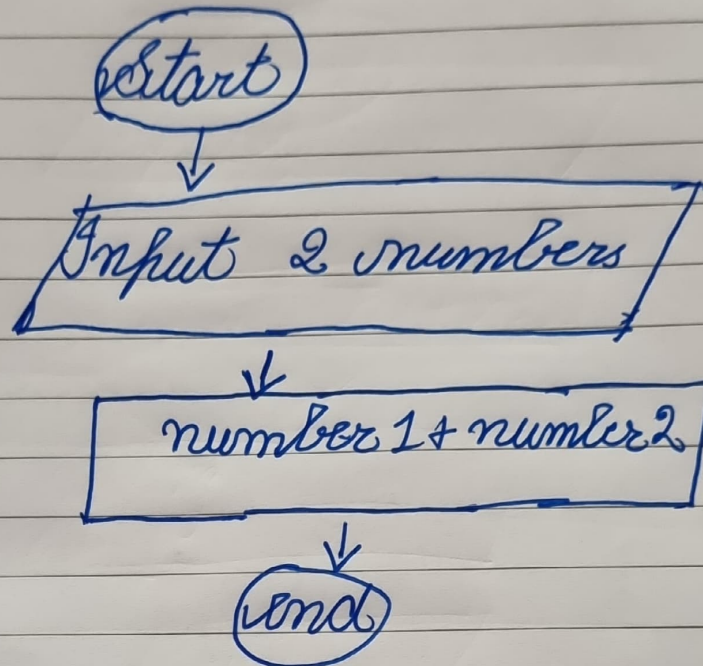
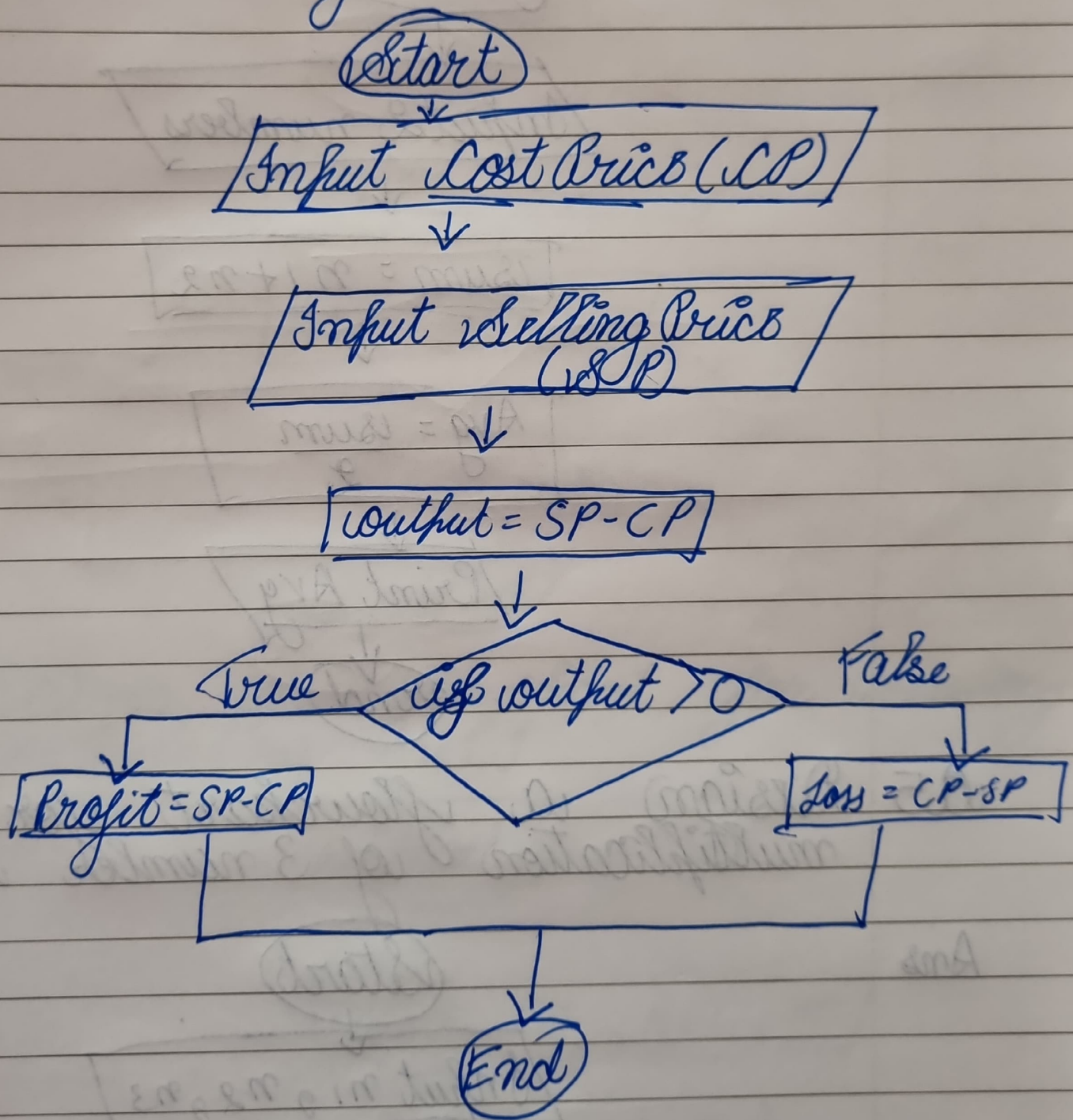**Q.2 Flowchart for finding greatest of three entered numbers**

```
                    ( Start )
                        │
                        ▼
          ┌──────────────────────────┐
          │   Input 3 numbers        │
          │   n1, n2, n3             │
          └──────────────────────────┘
                        │
                        ▼
   True        ◇ is n1 > n2 ◇        False
    │                                   │
    ▼                                   ▼
 ◇ n1 > n3 ◇                       ◇ n2 > n3 ◇
True │  False                    │          │
  ▼  │    ▼                      ▼          ▼
┌──────┐ ┌──────┐           ┌────────┐  ┌────────┐
│ n2 is│ │ n3 is│           │ n2 is  │  │ n3 is  │
│largest│ │largest│          │greatest│  │greatest│
└──────┘ └──────┘           └────────┘  └────────┘
    │        │                   │           │
    └────────┴─────────┬─────────┴───────────┘
                       ▼
                    ( End )
```
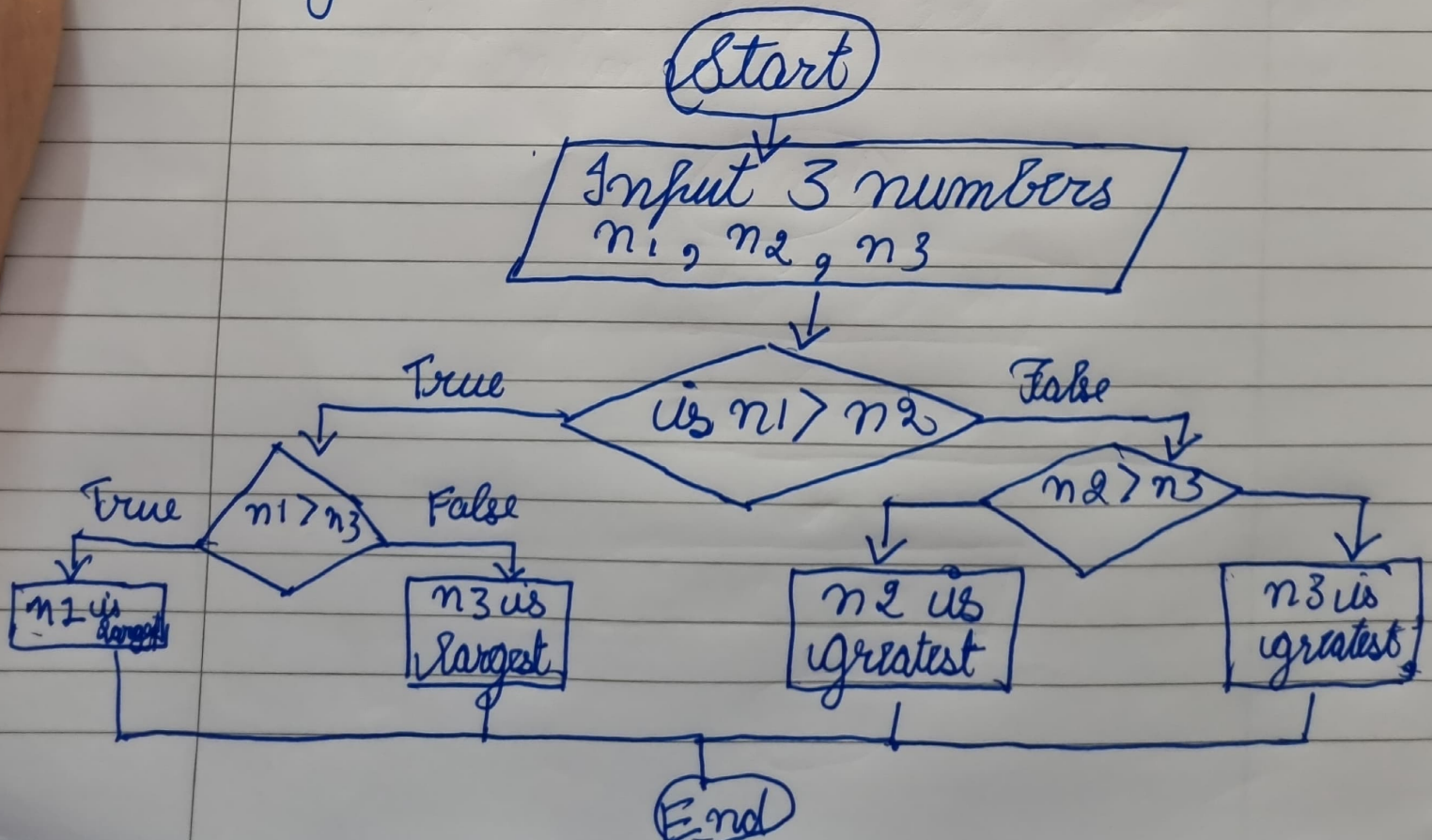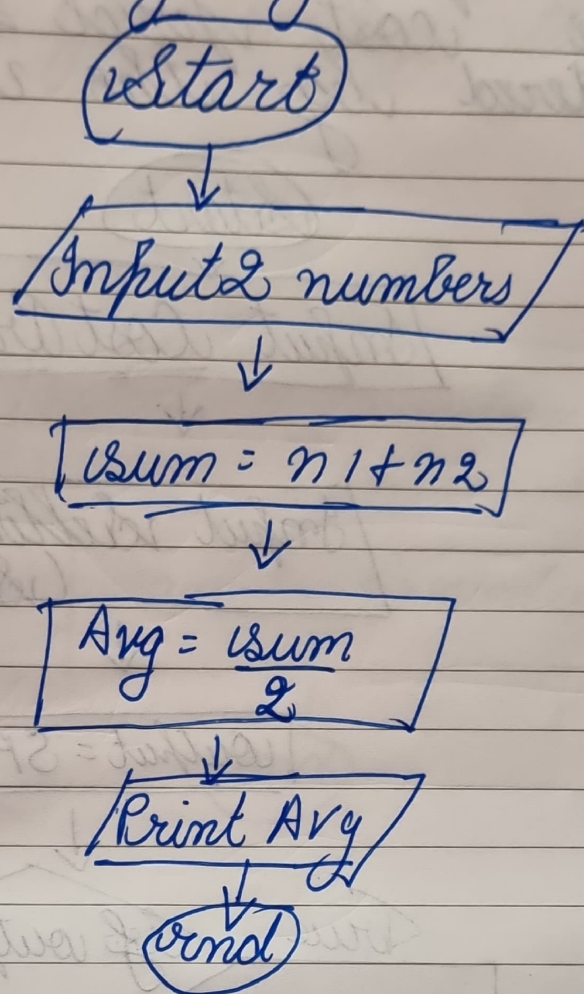
Q3 Design a flowchart for calculating the profit & loss acc. to the cost price & income value entered by the user
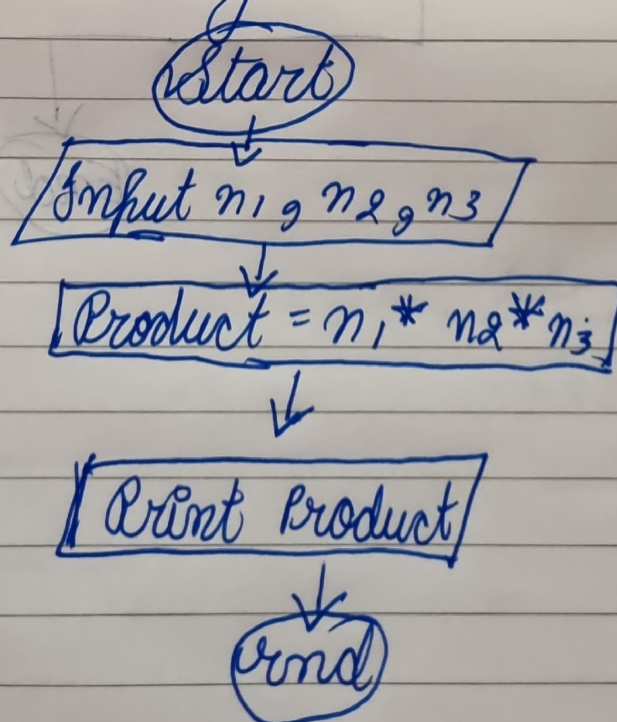
Start

Input Cost Price (CP)

Input Selling Price (SP)

output = SP-CP

True ← if output > 0 → False

Profit = SP-CP

Loss = CP-SP

End

Q4 Design a flowchart to calculate the average of 2 numbers

```
        ( Start )
            ↓
  / Input2 numbers /
            ↓
  [ sum = n1 + n2 ]
            ↓
  [ Avg = sum / 2 ]
            ↓
  / Print Avg /
            ↓
        ( End )
```

Q5 Design a flowchart for the multiplication of 3 number entered

Ans

```
        ( Start )
            ↓
  / Input n1, n2, n3 /
            ↓
  [ Product = n1 * n2 * n3 ]
            ↓
  / Print Product /
            ↓
        ( End )
```

Q6 Design a flowchart for calculating the area of a rectangle.

Ans

```
( Start )
    ↓
/ Input l, w /
    ↓
[ Area = l * w ]
    ↓
[ Print Area ]
    ↓
( end )
```
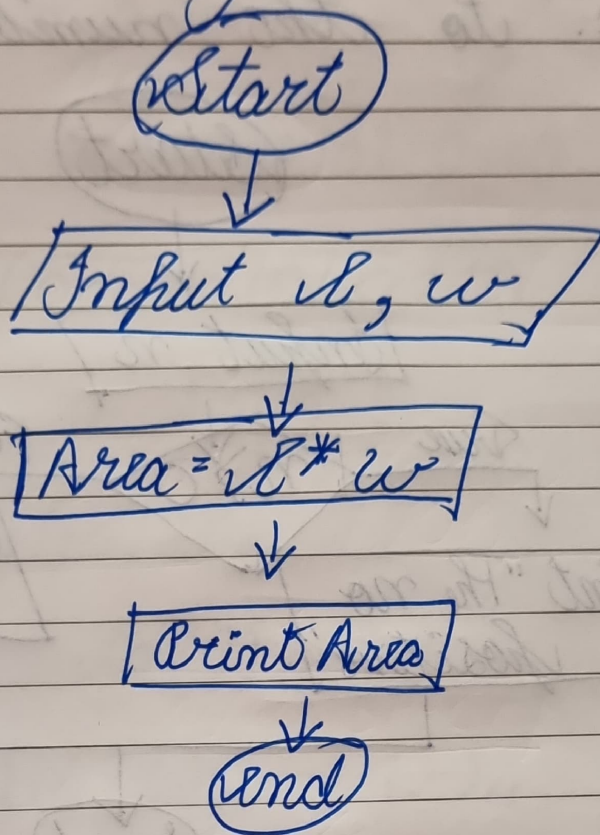
Q7 Design a flowchart for ~~creating~~ calculating S.I.

Ans

```
( Start )
    ↓
/ Input PA, ROI, T /
    ↓
[ SI = PA×ROI×T / 100 ]
    ↓
[ Print SI ]
    ↓
( end )
```
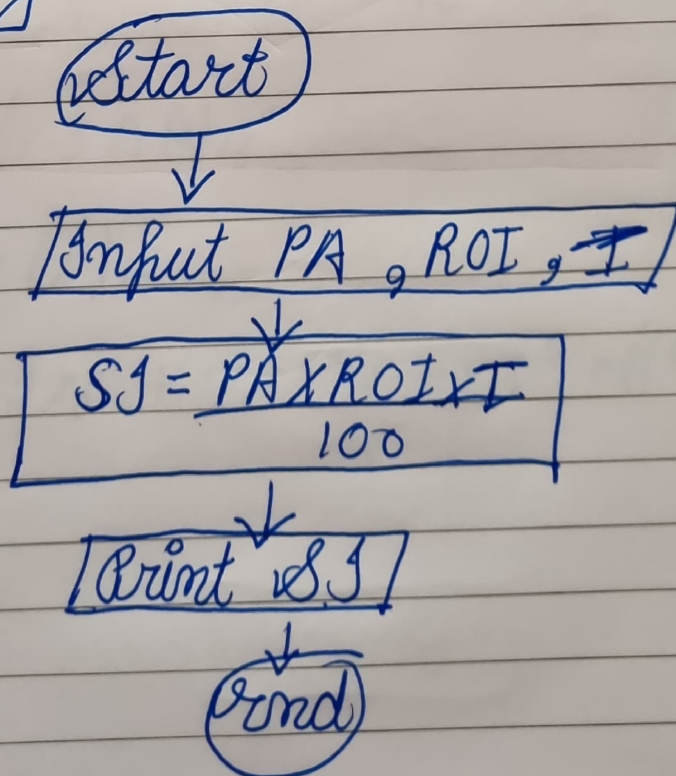
Q8 Design a flowchart for checking wheather no. is positive & negative acc. to the number entered by user

Ans

```
              ( Start )
                 |
                 v
           [ Input  n ]
                 |
    True    <  n > 0  >    False
     |                       |
     v                       v
[ Print "The no      [ Print "The no
 is positive" ]        is negative" ]
     |                       |
     +-----------+-----------+
                 |
                 v
              ( End )
```