## Algorithm

1. Start
2. Read first value of x, store in x1.
3. Read second value of x, store in x2.
4. Read first value of y, store in y1.
5. Read second value of y, store in y2.
6. Compute the length of sides x (= x2 - x1), store in lengx.
7. Compute the length of sides y (= y2 - y1), store in lengy.
8. Compute the distance between the two points (= sqrt(lengx2 + lengy2), store in dist.
9. Display "The distance between the two points is ", dist.
10. Stop.

## Flowchart