Point

(x, y)

double x
double y

Point ( ) // (0,0)
Point (double a, double b)

getX( ) double
getY( ) double
changeX(double delX) // add given value to x.
changeY (double delY) // add given value to y.

distanceTo (Point P) double
equals (Point P) boolean // $A(x_1, y_1)$, $B(x_2, y_2)$
// Truly $|x_2 - x_1| < 0.01$ & $|y_2 - y| < 0.01$

toString ( ) String

Using Point

ab = A.distanceTo(B)

Create 5 random points where x and y coordinate of each point is a random integer between [5, 20] inclusive. ✓

("Distance between AB is :" + A.distanceTo(B))
ab

1. Name points : A, B, C, D & E ✓
2. Display all points. ✓
3. Display distance between all point with labels
   AB = , AC = , AD = AE = , BC = ... ✓ ✓
4. Use the distanceTo method of point class to find two points that are closest to each other. Display these points.
5. Display the points that are farthest from each other.