Distance between two points Assignment-1

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1 Ch-2, Ex-2, Q.1(iii)

1. Find the distance between the following pairs of points :

(iii) (66,25),(99,69)

Answer-

$$x_1 = 66, x_2 = 99, y_1 = 25, y_2 = 69$$

$$d = \sqrt{((x_2 - x_1)^2 + (y_2 - y_1)^2)}$$

$$d = \sqrt{((99 - 66)^2 + (69 - 25)^2)} = \sqrt{(33^2 + 44^2)}$$

$$d = 55$$