

Answer on Question#34932 – Math – Geometry

Question.

Find the distance between (2,3) and (4,4).

Solution.

The distance D between two points $(x_1, y_1), (x_2, y_2)$ in Cartesian coordinate system is given by:

$$D = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}. \quad (1)$$

Substitute our points in (1):

$$D = \sqrt{(2 - 4)^2 + (3 - 4)^2} = \sqrt{5}$$

Answer.

$\sqrt{5}$