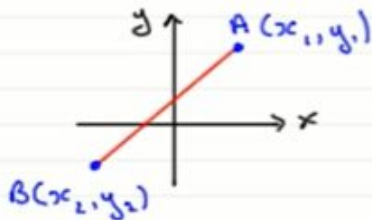




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## Coordinate Geometry - Distance between two points



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

If  $P(-3, 5)$  and  $Q(4, 1)$ . Find  $PQ$

$$\begin{aligned} PQ &= \sqrt{(-3-4)^2 + (5-1)^2} \\ &= \sqrt{49 + 16} \\ &= \sqrt{65} \text{ units} \end{aligned}$$

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