

Name :

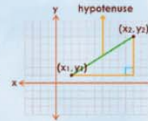
Class :



Distance formula

The distance formula in coordinate geometry is used to calculate the distance between two given points

Distance Formula
 $D = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
($x_2 - x_1$) = the change in x
($y_2 - y_1$) = the change in y



Find the distance between the points. For decimal points, round to the nearest hundredth

1) (3, 7), (-8, -3)

$\sqrt{211}$

2) (-1, 2), (-5, -2)

$4\sqrt{2}$

3) (-1, -2), (-3, 4)

$2\sqrt{10}$

4) (-5, -2), (-7, -7)

$\sqrt{29}$

5) (1, 7), (-5, 8)

$\sqrt{37}$

6) (5, 2), (-8, 0)

$\sqrt{173}$

7) (4, -2), (2, 5)

$\sqrt{53}$

8) (-7, -2), (4, -4)

$5\sqrt{5}$