



Mi Universidad

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Distancia entre 2 puntos.

$$A = (-2, 5) \quad B = (4, -3)$$

$x_1 \quad y_1 \quad x_2 \quad y_2$

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

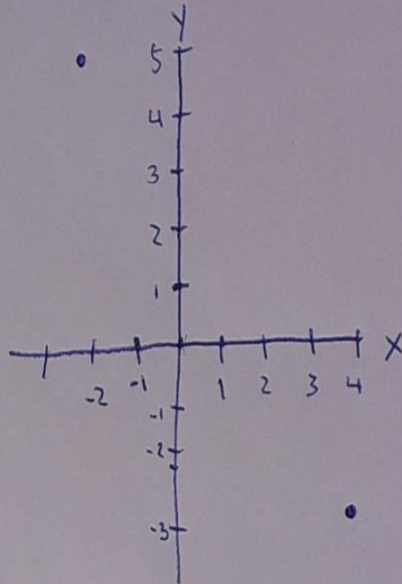
$$d = \sqrt{(4 - (-2))^2 + (-3 - 5)^2}$$

$$d = \sqrt{(6)^2 + (-8)^2}$$

$$d = \sqrt{36 + 64}$$

$$d = \sqrt{100}$$

$$d = 10$$



$$B = A(0, 4) \quad B(9, -2)$$

$x_1 \quad y_1 \quad x_2 \quad y_2$

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

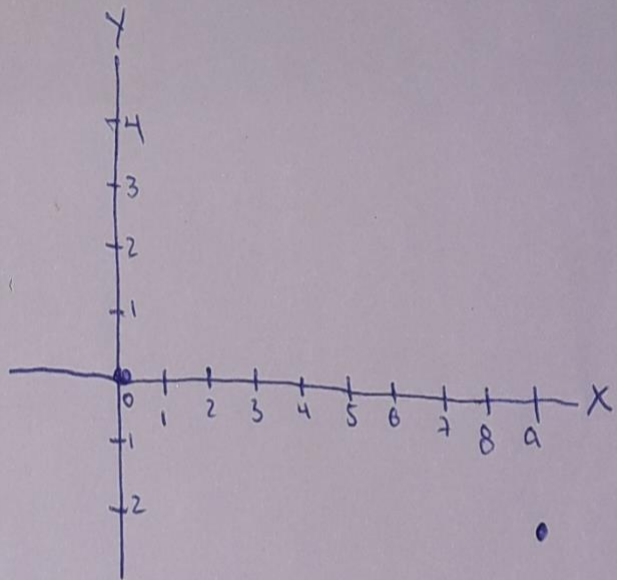
$$d = \sqrt{(9 - 0)^2 + (-2 - 4)^2}$$

$$d = \sqrt{(9)^2 + (-6)^2}$$

$$d = \sqrt{81 + 36}$$

$$d = \sqrt{117}$$

$$d = 10.81$$



$$C = A \left(\underset{x_1}{2}, \underset{y_1}{\frac{5}{3}} \right) B \left(\underset{x_2}{-3}, \underset{y_2}{\frac{-3}{2}} \right)$$

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

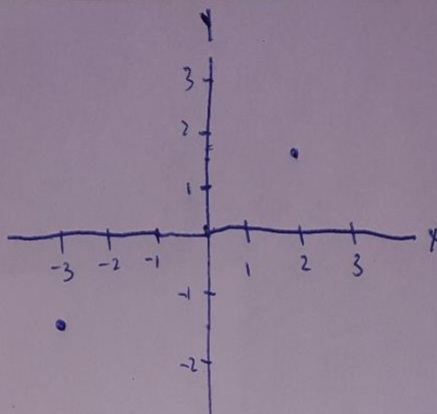
$$d = \sqrt{(-3 - 2)^2 + \left(\frac{-3}{2} - \frac{5}{3}\right)^2}$$

$$d = \sqrt{(-5)^2 + \left(-\frac{19}{6}\right)^2}$$

$$d = \sqrt{25 + \frac{361}{36}}$$

$$d = \sqrt{\frac{1261}{36}}$$

$$d = \frac{1261}{6}$$



$$* \frac{-3}{2} - \frac{5}{3} = \frac{-9-10}{6} = \frac{-19}{6}$$

$$* 25 + \frac{361}{36} = \frac{361}{36} + \frac{900}{36} = \frac{1261}{36}$$