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**Nombre del trabajo: Ejercicios.**

**Materia: Matemáticas**

**Grado: 2° cuatrimestre**

**Grupo: LAE**

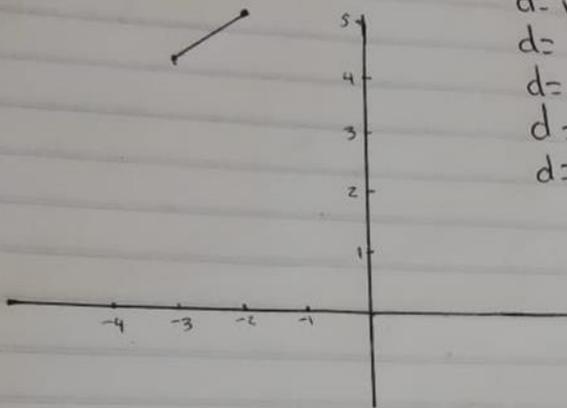
Comalapa Chiapas, a 13 de febrero de 2021.

# EJERCICIOS

Dafne Yuliani Pérez Roblero

Administración de Empresas

1:  $A(x_1, y_1) = (-2, 5)$   $B(x_2, y_2) = (4, -3)$



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

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

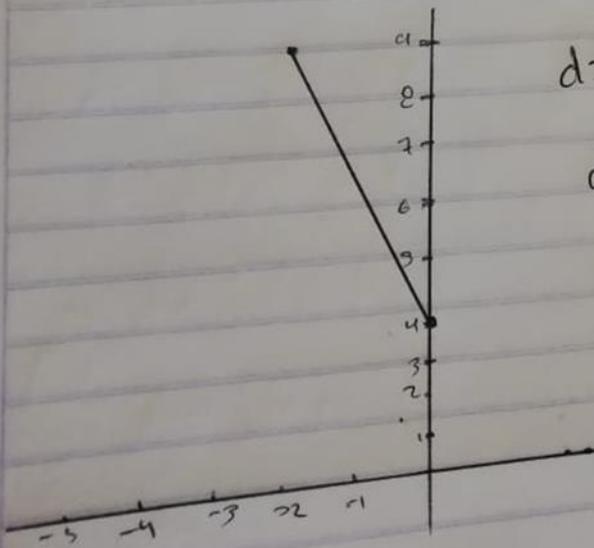
$$d = \sqrt{(4+2)^2 + (-3-5)^2}$$

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

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

$$d = \sqrt{100}$$

2:  $A(x_1, y_1) = (0, 4)$   $B(x_2, y_2) = (9, -2)$



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

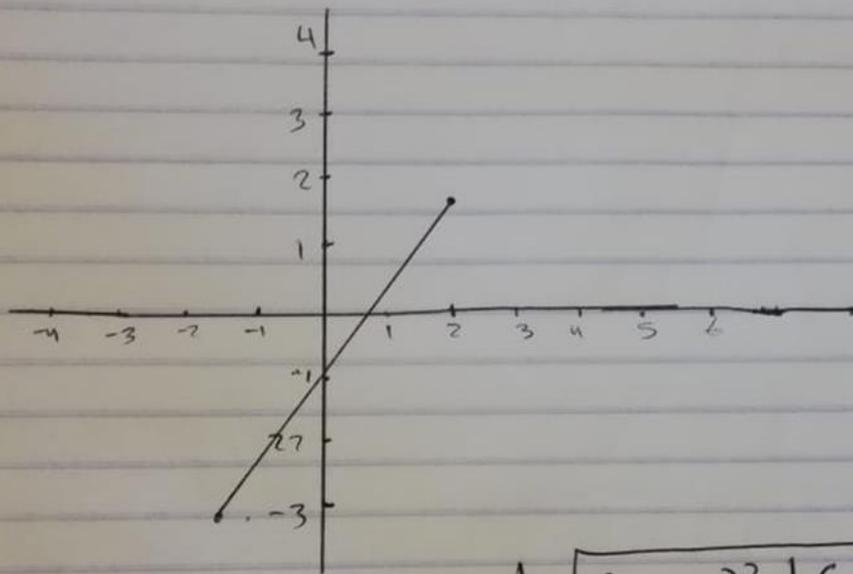
$$d = \sqrt{(9 - 0)^2 + (-2 - 4)^2}$$

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

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

$$d = \sqrt{117}$$

$$3: A \left( 2, \frac{5}{3} \right) \quad B \left( -3, -\frac{3}{2} \right)$$



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

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

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

$$d = \sqrt{25 + \frac{361}{12}}$$

$$d = \sqrt{\frac{386}{12}}$$