

# UDS

LICENCIATURA EN ADMINISTRACION DE EMPRESAS

MATEMATICAS APLICADAS A LAS CIENCIAS SOCIALES

“DISTANCIA ENTRE DOS PUNTOS”

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$$1 \quad A(-2, 5) \quad B(4, -3)$$

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

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

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

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

$$\sqrt{100} = 10$$

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

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

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

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

$$= \sqrt{117} = 10.8166$$

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

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

$$-\frac{9}{3} - \frac{10}{3} = -\frac{19}{3}$$

$$= \sqrt{(-5)^2 + (-\frac{19}{3})^2}$$

$$(-\frac{19}{3})(-\frac{19}{3})$$

$$= \sqrt{35 + \frac{361}{36}}$$

$$\frac{361}{36}$$

$$= \sqrt{\frac{1260}{36} + \frac{361}{36}}$$

$$= \sqrt{\frac{1621}{36}} = 6.7102$$