

Ejercicios:

$$P_1 P_2 \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$P_1 \left(\begin{matrix} 4 \\ 3 \end{matrix} \right) \\ P_2 \left(\begin{matrix} 1 \\ 7 \end{matrix} \right)$$

$$P_1 P_2 \sqrt{(4 - 1)^2 + (3 - 7)^2}$$

$$P_1 P_2 \sqrt{3^2 + (-4)^2}$$

$$P_1 P_2 \sqrt{9 + 16}$$

$$P_1 P_2 \sqrt{25}$$

5

Ejercicios:

$$P_2 P_3 \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$P_2 \left(\begin{matrix} 1 \\ 7 \end{matrix} \right)$$

$$P_3 \left(\begin{matrix} -2 \\ 2 \end{matrix} \right)$$

$$P_2 P_3 \sqrt{(2 - 1)^2 + (2 - 7)^2}$$

$$P_2 P_3 \sqrt{1 + (-5)^2}$$

$$P_2 P_3 \sqrt{1 + 25}$$

$$P_2 P_3 \sqrt{34}$$

5.83

Ejercicios:

$$P_3 P_4 \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$P_3 \left(\begin{matrix} -2 \\ 2 \end{matrix} \right)$$

$$P_4 \left(\begin{matrix} 1 \\ -6 \end{matrix} \right)$$

$$P_3 P_4 \sqrt{(-2 - 1)^2 + (2 - (-6))^2}$$

$$P_3 P_4 \sqrt{3^2 + (-8)^2}$$

$$P_3 P_4 \sqrt{9 + 64}$$

$$P_3 P_4 \sqrt{73}$$

8.54

Ejercicios:

$$P4 \text{ p1 } \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$P4 \text{ p1 } \sqrt{(4 - 1)^2 + (3 - (-6))^2}$$

$$P4 \text{ p1 } \sqrt{3^2 + 19^2}$$

$$P4 \text{ p1 } \sqrt{19^2 + 18^2}$$

$$P4 \text{ p1 } \sqrt{90}$$

$$P4 \text{ p1 } 9.48$$

$$P4 \text{ p1 } (-16)$$

$$P1 (4, 3)$$

$$\sqrt{28.85}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{7 - 3}{1 - 4} = \frac{4}{-3} = -\frac{4}{3}$$

$$P1 (4, 3)$$

$$P2 (1, 7)$$

$$x_2 \neq y_2$$

$$\theta = \arctang = \arctang m = \left(\frac{4}{3}\right)$$

$$53^\circ 7' 48.37''$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{2 - 7}{-2 - 1} = \frac{-5}{-3} = \frac{5}{3}$$

$$\theta = \arctang = \arctang m = \left(\frac{5}{3}\right)$$

$$59^\circ 2' 10.48''$$

Mata di b. Hardes
ya no recuperat
fima)

$$P2 (1, 7)$$

$$P3 (-2, 2)$$

No me acuerdo
de nada

~~TOJ Extra~~

~~104. Jan 10 20 22~~

~~X1500~~

P3 P4

$$m = \frac{-6 - 2}{1 - (-2)} = \frac{-8}{1} = \frac{8}{1}$$

$$\theta \text{ arc tang} = \text{arc tang } m \left| \frac{8}{1} \right|$$

$$82^\circ 52' 29.94$$

P4 P1

$$m = \frac{3 - (-6)}{4 - 1} = \frac{9}{3}$$

$$\theta \text{ arc tang} = \text{arc tang } \frac{9}{3}$$

$$71^\circ 33' 54.18$$

Ejercicio 2

$$P_1 (8, 1)$$

$$P_2 (-1, 8)$$

$$P_3 (1, -8)$$

P1 P2

$$P_1 P_2 \sqrt{(-8 - 8)^2 + (1 - 1)^2}$$

$$P_1 P_2 \sqrt{(-9)^2 + (1)^2}$$

$$P_1 P_2 \sqrt{81 + 149}$$

$$P_1 P_2 \sqrt{130}$$

$$P_1 P_2 \sqrt{22 \cdot 40}$$

PM1

P2 P3

$$P2 \ P3 \ \sqrt{1 - (-1)^2 + (-8 - 8)}$$

$$P2 \ P3 \ \sqrt{12^2 + (-16)^2}$$

$$P2 \ P3 \ \sqrt{144 + 256}$$

$$P2 \ P3 \ \sqrt{260}$$

$$P2 \ P3 \ 16.12$$



P3 P1

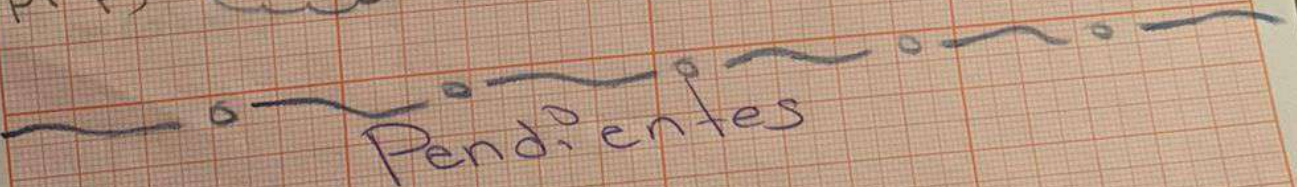
$$P1 \ P3 \ \sqrt{8 - 1)^2 + (1 - 8)^2}$$

$$P1 \ P3 \ \sqrt{7^2 + 19^2}$$

$$P1 \ P3 \ \sqrt{149 + 81}$$

$$P1 \ P3 \ \sqrt{130}$$

$$P1 \ P3 \ 11.40$$



Pendientes

P1 P2

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - 1}{1 - 8} = -\frac{7}{9}$$

ang. $m = \arctang \left| \frac{7}{9} \right| = 37^\circ 52' 29.94''$

P2 P3

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-8 - 8}{4 - (-11)} = \frac{-16}{2} = \frac{-16}{2}$$

$$\Theta = \arctang m = \arctang \left| \frac{-16}{2} \right| = 82^\circ 52' 29.94''$$

P3 P1

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{1 - (-8)}{8 - 1} = \frac{9}{7}$$

$$\Theta \arctang m = \arctang \frac{9}{7} = 57^\circ 11' 30.06''$$