

ALUMNOS: CARLOS DANIEL JIMENEZ VELASQUEZ

PERIMETRO (37.01)

$$\begin{aligned} \rightarrow P_1(4,3), & \quad P_2(4,3) \\ P_2(2,7), & \quad P_3(2,7) \\ P_3(-2,7), & \quad P_4(2,-6) \\ P_4(2,-6), & \quad P_1P_2 \sqrt{(2-4)^2 + (7-3)^2} \end{aligned}$$

P_1P_2

$$P_1P_2 \sqrt{(3)^2 + (4)^2}$$

$$P_1P_2 \sqrt{9 + 16}$$

$$P_1P_2 \sqrt{25}$$

$$\rightarrow R = 5$$



$$P_2(2,7), \quad P_2P_3 \sqrt{(-2-2)^2 + (7-7)^2}$$

$$P_3(-2,7)$$

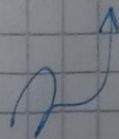
$$P_2P_3 \sqrt{(3)^2 + (-5)^2}$$

$$P_2P_3 \sqrt{(9) + (25)}$$

$$P_2P_3 \sqrt{34}$$

$$R = 5.83$$

P_2P_3



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$$P_3(-2, 2).$$

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

$$P_4(4, -6).$$

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

$$P_3 P_4 \sqrt{4 + 64}$$

$$P_3 P_4 \sqrt{73}$$

$$P_3 P_4 \sqrt{8.54}$$

$$P_4(2, -6)$$

$$P_4 P_1 \sqrt{(4-1)^2 + (3-(-6))^2}$$

$$P_1(4, 3)$$

$$P_4 P_1 \sqrt{(3)^2 + (9)^2}$$

$$P_4 P_1 \sqrt{4 + 81}$$

$$P_4 P_1 \sqrt{90}$$

$$P_4 P_1 = \underline{9.48}$$

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$$\rightarrow \text{PERIMETRO} = 28.85''$$

$$P1P2 \text{ m} = \frac{7-3}{1-4} = \frac{4}{3} = \frac{4}{3} = 53^{\circ} 7' 48.37''$$

$$P2P3 \text{ m} = \frac{7-7}{2-1} = \frac{0}{1} = 0 = 59^{\circ} 2' 10.48''$$

$$P3P4 \text{ m} = \frac{-6-2}{-1-2} = \frac{8}{3} = 64^{\circ} 26' 38.24''$$

$$P4P1 \text{ m} = \frac{3-(6)}{4-1} = \frac{-3}{3} = -1 = 71^{\circ} 33' 54.18''.$$

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

$$P_2(-2, 8) \quad P_1 P_2 \sqrt{(4)^2 + (7)^2} \quad \boxed{P_1 P_2}$$

$$P_3(2, -8) \quad P_1 P_2 \sqrt{81 + 49}$$

$$\rightarrow P_1 P_2 \sqrt{130}$$

$$R = 11.40$$

$$P_2(-2, 8)$$

$$P_2 P_3 \sqrt{2 - (-2)^2 + (-8 - 8)^2}$$

$$P_3(2, -8)$$

$$P_2 P_3 \sqrt{(2)^2 + (16)^2}$$

$$P_2 P_3 \sqrt{(4) + (256)} \quad \boxed{P_2 P_3}$$

$$\rightarrow P_2 P_3 \sqrt{260}$$

$$R = 16.12$$

$$P_3(2, -8)$$

$$P_3 P_1 \sqrt{(8-2)^2 + (2-(-8))^2}$$

$$P_1(8, 2)$$

$$P_3 P_1 \sqrt{(7)^2 + (9)^2}$$

$$P_3 P_1 \sqrt{(49) + (81)} \quad \boxed{P_3 P_1}$$

$$\rightarrow P_3 P_1 \sqrt{130}$$

$$R = 11.40$$

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PENDIENTE.

$$\rightarrow P_1 P_2: m = \frac{z_2 - z_1}{x_2 - x_1} = \frac{8 - 1}{-1 - 8} = \frac{7}{9}$$

$$\Theta = \text{ORTANG} = m = \text{ORTANG} = \left(\frac{7}{9}\right) = 37^\circ 52' 24.94''$$

— 0 — 0 — 0 — 0 — 0 — 0 — 0 — 0 — 0 — 0

$$\rightarrow P_2 P_3: m = \frac{z_2 - z_1}{x_2 - x_1} = \frac{-8 - 8}{1 - (-1)} = \frac{16}{2} = \frac{16}{2}$$

$$\Theta = \text{ORTANG} = m = \text{ORTANG} = \frac{16}{2} = 82^\circ 52' 24.94''$$

— 0 — 0 — 0 — 0 — 0 — 0 — 0 — 0 — 0

$$\rightarrow P_3 P_1: m = \frac{z_2 - z_1}{x_2 - x_1} = \frac{1 - (-8)}{8 - 1} = \frac{9}{7}$$

$$\Theta = \text{ORTANG} = m = \text{ORTANG} = \frac{9}{7} = 57^\circ 7' 30.06''$$

EJERCICIO N° 2

$P_1 (8, 1)$.
 $P_2 (-1, 8)$.
 $P_3 (1, -8)$.

