

ALUMNO: \_ CARLOS DANIEL JIMÉNEZ VELÁZQUEZ.

DOCENTE: \_ JORGE ENRIQUE ALBORES AGUILAR.

NIVEL: \_ BACHILLERATO RECURSOS HUMANOS.

GRADOS: \_ 3ER CUATRIMESTRE.

GRUPO: \_ A.

EJERCICIO 1.

$P_1(8, 2)$   
 $P_2(2, 7)$   
 $P_3(-6, -3)$

$P_1P_2$

$$P_1P_2 \sqrt{(8-2)^2 + (2-7)^2}$$
$$P_1P_2 \sqrt{(6)^2 + (-5)^2}$$
$$P_1P_2 \sqrt{(36) + (-25)}$$
$$P_1P_2 \sqrt{61}$$

$R = 7.81$

$P_2P_3 \sqrt{(2-(-6))^2 + (7-(-3))^2}$

$$P_2P_3 \sqrt{(8)^2 + (10)^2}$$
$$P_2P_3 \sqrt{(64) + (100)}$$
$$P_2P_3 \sqrt{164}$$

$R = 12.80$

$$P_3P_1 \sqrt{(-6-8)^2 + (-3-2)^2}$$

$$P_3P_2 \sqrt{-14^2 + (-5)^2}$$

$$P_3P_1 \sqrt{(196) + (-25)}$$

$$P_3P_2 \sqrt{-221}$$

14.26

PERIMETRO: 35.47.

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$P_1(8, 2)$ . "ANGULOS PENDIENTES"

$P_2(2, 7)$ .

$P_3(-6, -3)$ .  $m = \frac{y_2 - y_1}{x_2 - x_1}$  REGLA.

$P_1(8, 2)$ .

$P_2(2, 7)$ .  $m = \frac{7-2}{2-8} = \frac{5}{6}$   $(P_1P_2)$

$$\theta = \text{RTANGENT} = \frac{5}{6} = 39^\circ 48'' 20.06'$$

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$P_2(2, 7)$   $m = \frac{-3-(7)}{-6-(2)} = \frac{-10}{-8} = \frac{10}{8}$   $(P_2P_3)$

$P_3(-6, -3)$   $-6-(2) = \frac{10}{8}$

$$\theta = \text{RTANGENT} = \frac{10}{8} = 51^\circ 20' 24.69'$$

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$P_3(-6, -3)$

$P_1(8, 2)$   $m = \frac{2-(-3)}{8-(-6)} = \frac{5}{14} = \frac{5}{14}$

$$\theta = \text{RTANGENT} = \frac{5}{14} = 19^\circ 39' 13.77'$$

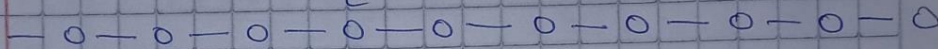
## "PUNTO MEDIO"

$$P_M(x) = \frac{x_1 + x_2}{2}$$

$$P_M(y) = \frac{y_1 + y_2}{2}$$

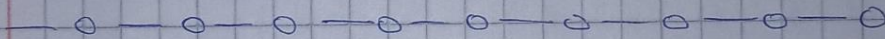
P1P2  $P_M(x) = \frac{8+2}{2} = 10 \div 2 = 5$

$$P_M(y) = \frac{2+7}{2} = 9 \div 2 = 4.5$$



P2P3  $P_M(x) = \frac{2+(-6)}{2} = 4 \div 2 = (-2)$

$$P_M(y) = \frac{7+(-3)}{2} = 4 \div 2 = (2)$$



D3

P1  $P_M(x) = \frac{-6+8}{2} = 2 \div 2 = (1)$

$$P_M(y) = \frac{-3+2}{2} = -1 \div 2 = (-0.5)$$



## "RAZONES DADAS"

P1(8,2)  $x = \frac{8 + \frac{1}{3} \cdot 2}{1 + \frac{1}{3}} = \frac{5}{4} / 1.25$

P2(2,7)

$$y = \frac{2 + \frac{1}{3} \cdot 7}{1 + \frac{1}{3}} = \frac{16}{3} / 5.3$$

PIR





## "RAZONES DADOS"

$$P_2 P_3 \quad x = \frac{2 + \frac{1}{3} - 6}{2 + \frac{1}{3}} = -2 \leftarrow P_2 P_3.$$

$$y = \frac{7 + \frac{1}{3} - 3}{2 + \frac{1}{3}} = \frac{1}{4} / -0.25.$$

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P<sub>3</sub>P<sub>1</sub>.

$$x = \frac{-6 + \frac{1}{3} 8}{2 + \frac{1}{3}} = \frac{3}{2} 3$$

$$y = \frac{-3 + \frac{1}{3} 2}{2 + \frac{1}{3}} = \frac{1}{2} 3 / \frac{5}{4}.$$

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