Fians carresians

Punto retta

A /B-YA

XB-XA

 $\overline{AB} = \sqrt{(x_A - x_B)^2 + (q_A - q_B)^2}$

$$A(2,3)$$
 $B(-1;5)$
 $\overline{AB} = \sqrt{(2+1)^2 + (3-5)^2} =$
 $= \sqrt{9+4} = \sqrt{13}$
 $A(4,2)$ $B(1,5)$
 $\overline{AB} = 5-2=3$
 $\overline{AB} = \sqrt{8-4}$
 $\overline{AB} = |2-5| = |-3| = 3$
 $\overline{AB} = |4-4|$

$$A(-2;4)$$
 $B(3;4)$

$$AB = |X_A - X_B| = |-2-3| = 5$$

Timo medo

$$A(x_A; y_B)$$

$$B(x_B; y_B)$$

$$A' M' B'$$

$$\frac{\partial A'}{\partial A'} = \frac{\partial A'}{\partial A'} + \frac{A'}{A'} = \frac{\partial A'}{\partial A'} + \frac{A'}{Z} = \frac{\partial A'}{\partial A'} + \frac{A'}{Z} = \frac{\partial A'}{\partial A'} + \frac{A'}{Z} = \frac{\partial A'}{\partial A'} = \frac{\partial A'}{\partial A'}$$

$$M\left(\frac{X_A+X_B}{Z},\frac{y_A+y_B}{Z}\right)$$

Poblema

$$A(3,4)$$
 $B(-2,3)$ $C(-1,-2)$
 $B(-1,1)$

$$\overline{SM} = \sqrt{(-2-1)^2 + (3-1)^2} = \sqrt{9+4} = \sqrt{13}$$

$$\overline{AB} = \sqrt{(3+2)^2 + (4-3)^2} = \sqrt{25+1} = \sqrt{26} < -$$

$$Ae = \sqrt{(3+1)^2 + (4+2)^2} = \sqrt{16+36} = \sqrt{52}$$

$$\overline{CS} = \sqrt{(-2+1)^2 + (3+2)^2} = \sqrt{1+25} = \sqrt{26}$$

$$P = \sqrt{26} + \sqrt{52} + \sqrt{26}$$

$$Q = \frac{Ars \cdot rsc}{2} = \frac{26}{2} = 13$$

$$A(x_{A_1} y_{A_1}) \quad B(x_{S_1} y_{S_1}) \quad C(x_{C_1} y_{S_2})$$

$$A(x_{A_1} y_{A_1}) \quad B(x_{S_1} y_{S_1}) \quad C(x_{C_1} y_{S_2})$$

$$A = \frac{1}{2} \begin{vmatrix} 3 & 4 & 1 \\ x_{S_1} & y_{S_1} & 1 \\ x_{S_2} & y_{S_1} & 1 \end{vmatrix}$$

$$A = \frac{1}{2} \begin{vmatrix} 3 & 4 & 1 & 3 & 4 \\ -2 & 3 & 1 & -2 & 3 \\ -1 & -2 & 1 & -1 & -2 \end{vmatrix} = \frac{1}{2} (9 - K + K + 3 + 6 + 8) = \frac{26}{2} = 13$$