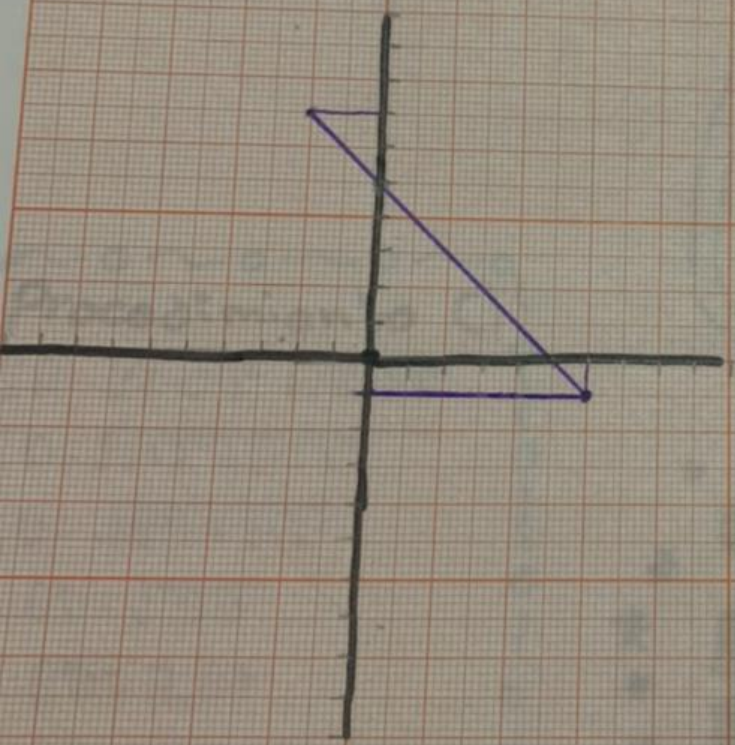
a) A(-2,7), B(6,-1)
b) C(-3,5), D(5,0)
c) E(0,2), F(7,3)
d) G(2,6), H(5,8)

Formula
$\sqrt{(x^2-x^1)^2+(y^2-y^1)^2}$



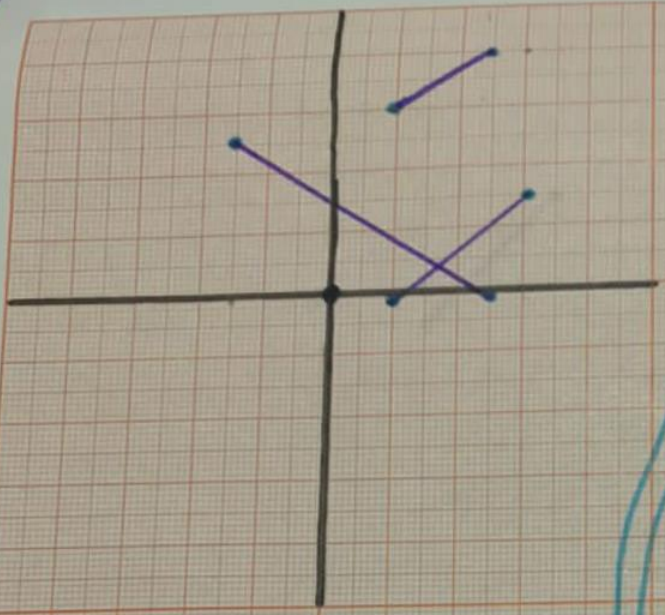
$\overrightarrow{AB}=\sqrt{(6-(2))^2+(-1-7)^2}$

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

$AB=\sqrt{(64)+(64)}$

$AB=\sqrt{128}$

$AB=11.38$



b) C(-3,5), D(5,0)

c) E(0,2), D(7,3)

d) G(2,6), H(5,8)

Procedimiento b)

$CD\sqrt{(5-(-3)^2+(0-5)^2}$

$CD\sqrt{(8)^2+(5)^2}$

$CD\sqrt{(64)+(25)}$

$CD\sqrt{89}$

$CD = 9.43$

Procedimiento c)

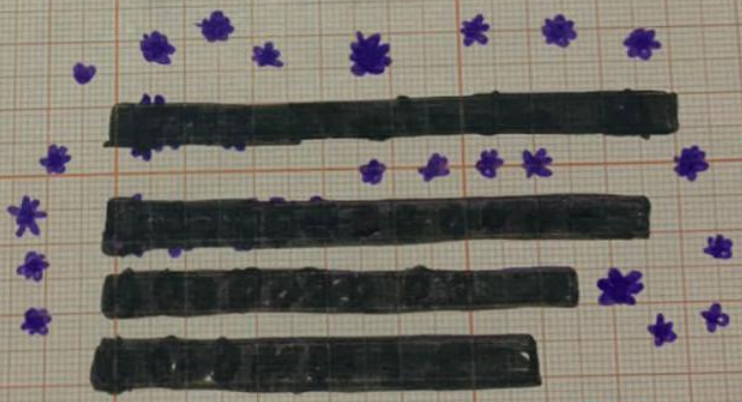
$ED=\sqrt{(7-0)^2+(2-3)^2}$

$ED=\sqrt{(7)^2+(-1)^2}$

$ED=\sqrt{(49)+(1)}$

$ED=\sqrt{50}$

$ED=7.07$



Procedimiento d)

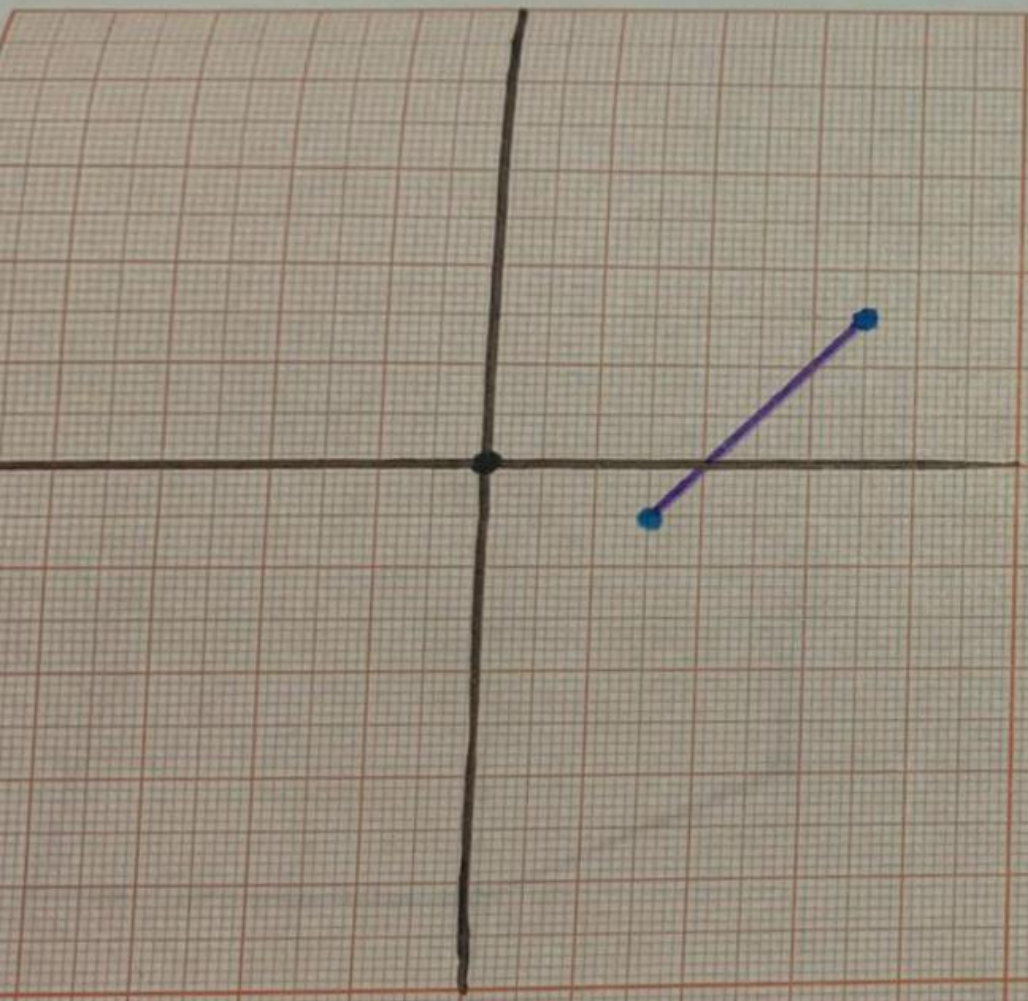
$GH=\sqrt{(5-2)^2+(8-6)^2}$

$GH=\sqrt{(3)^2+(2)^2}$

$GH=\sqrt{(9)+(4)}$

$GH=\sqrt{13}$

$GH=\sqrt{3.60}$



e) I (7,3), J (3, -1)

$$IJ = \sqrt{(7,-3)^2 + (3-(-1)^2}$$

$$IJ = \sqrt{(4)^2 + (4)^2}$$

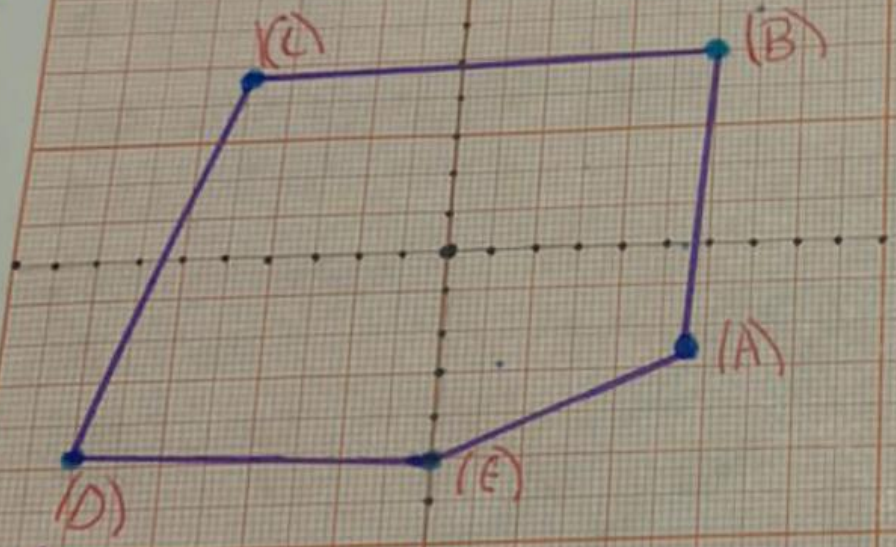
$$IJ = \sqrt{(16) + (16)}$$

$$IJ = \sqrt{32}$$

$$IJ = 5.65$$

Ejercicio 2

Observa la imagen y resuelve



- Encuentra la medida de cada lado del polígono:

a) 7.07
b) 11.04
c) 9
d) 15.62
e) 7

Medida del polígono

49.73

Punto (E)

E (5, 5)
A (5, -2

$$EA = \sqrt{(5-5)^2 + (-2-5)^2}$$
$$EA = \sqrt{(0)^2 + (-7)^2}$$
$$EA = \sqrt{(0) + (49)}$$
$$EA = \sqrt{49}$$
$$EA = 7$$

Perímetro:

7.07
14.04
+ 9
15.62
7
49.73