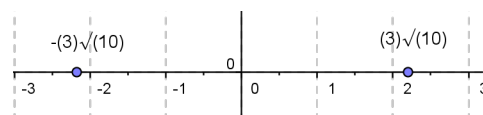
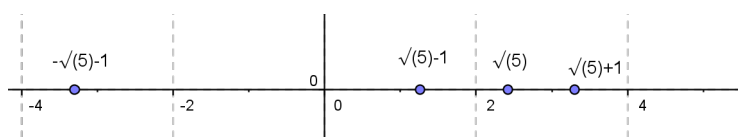
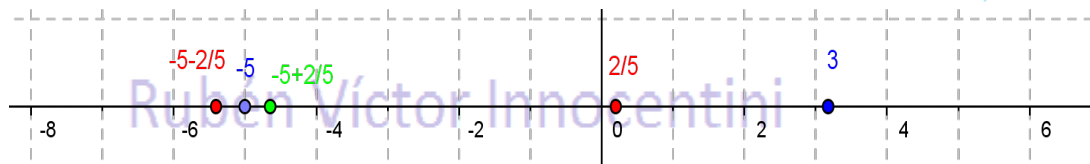


PRÁCTICA 1

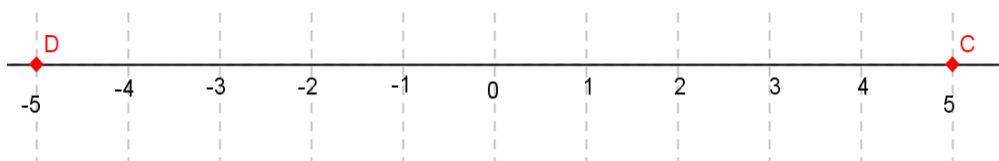
Números reales y coordenadas cartesianas

Ejercicio 1.-

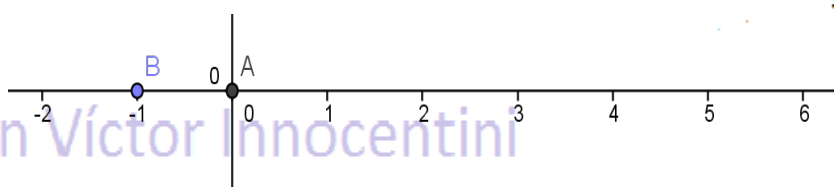
a)



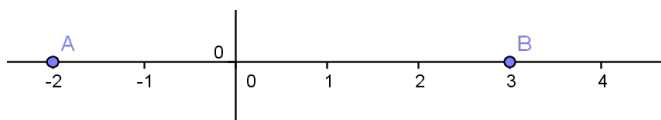
b)



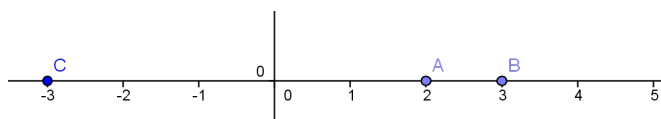
c)



d)

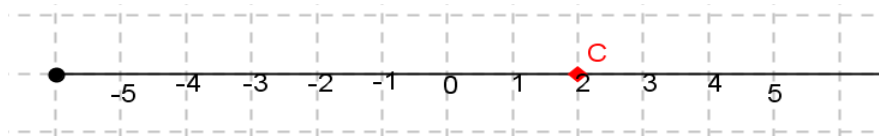


e)

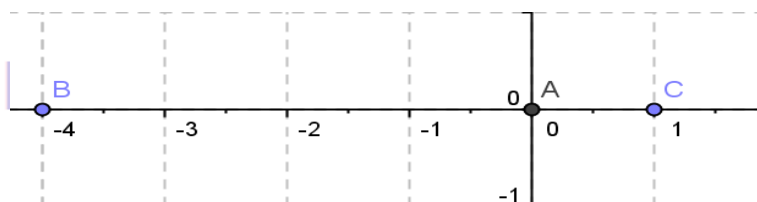


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 Respuestas de la práctica 1

f)

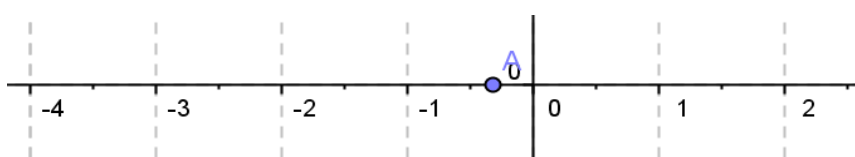


g)

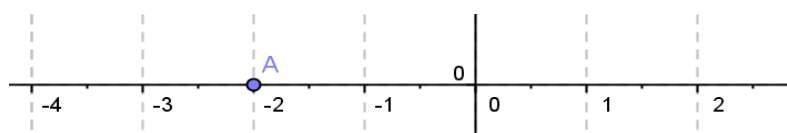


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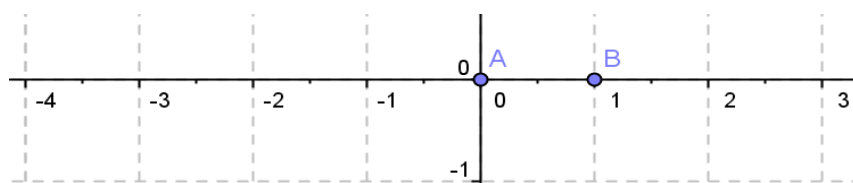
h)



i)



j)



Ejercicio 2.-

Rubén Víctor Innocentini

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a)

	p	q	p	q
i	2	0	pertenece	pertenece
ii	3	-5	pertenece	no pertenece
iii	$(0,1)^{-1}$	-7	pertenece	pertenece
iv	$\frac{1}{3}$	3	pertenece	no pertenece
v	0,1	2	pertenece	no pertenece
vi	20	-2	no pertenece	no pertenece

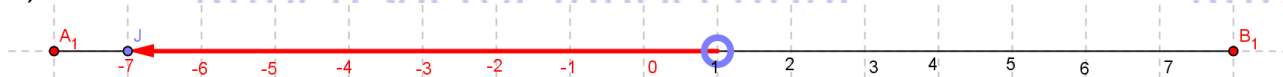
MATEMÁTICA
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b)

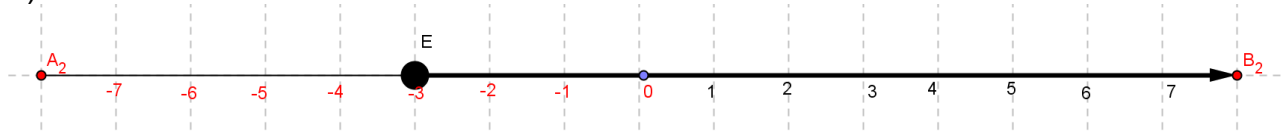
item	pertenecen		no pertenecen	
	i	0	1	-5
ii	-5	3	0	1

Ejercicio 3.-

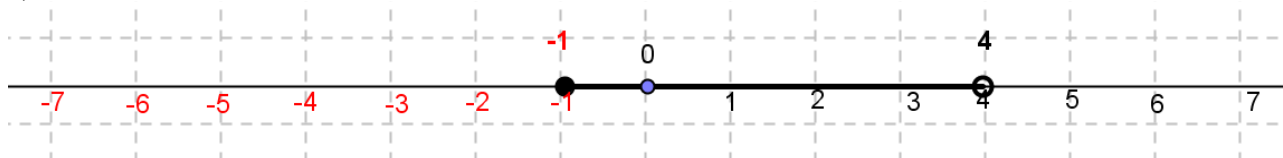
a)



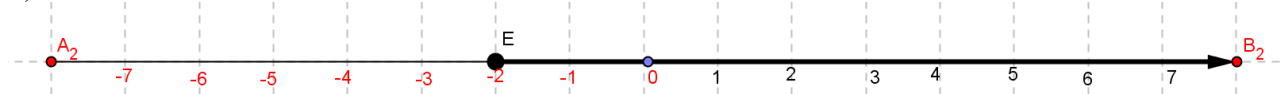
b)



c)



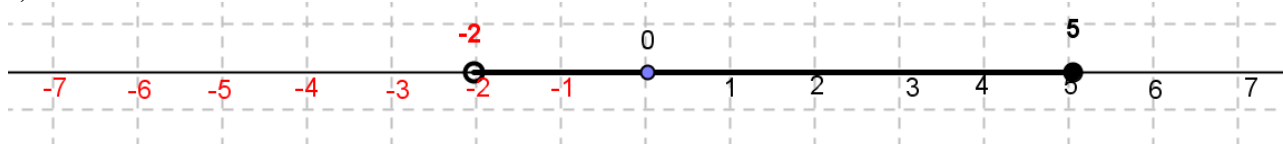
d)



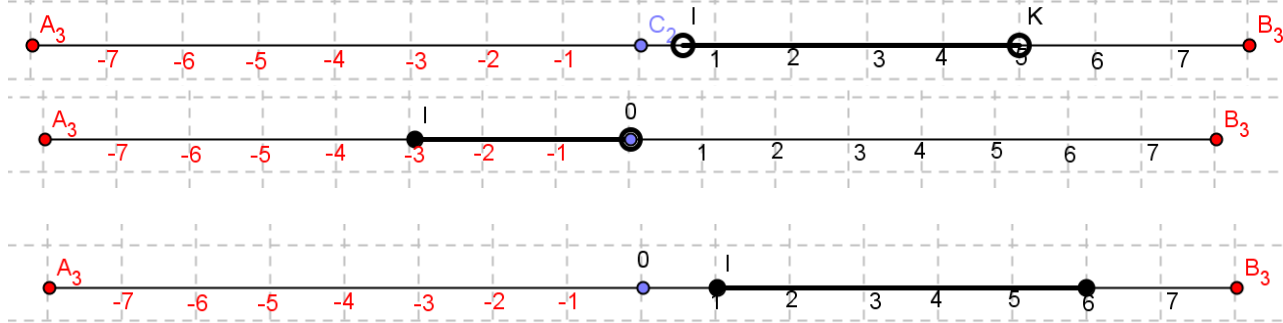
e)



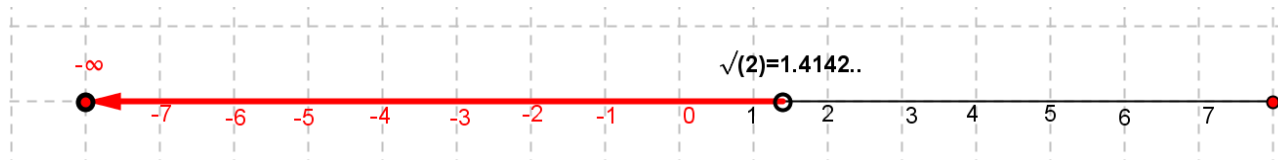
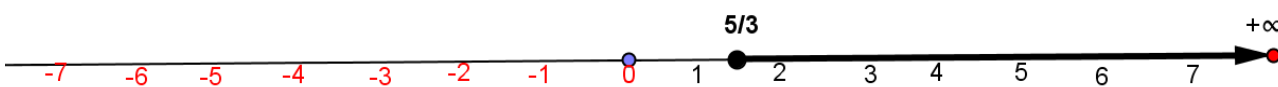
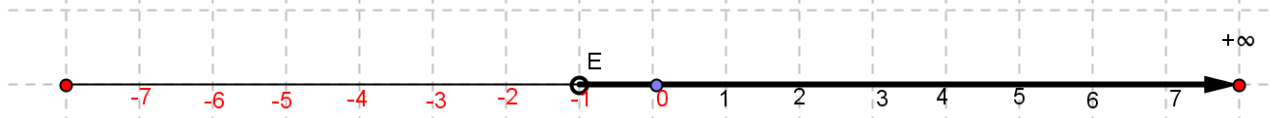
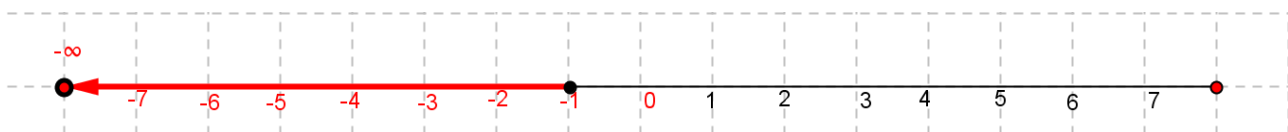
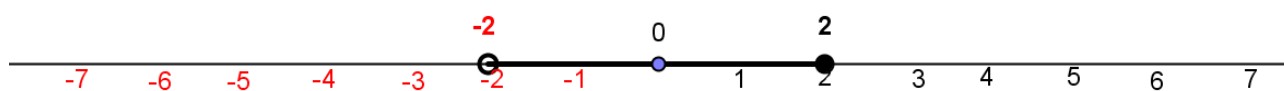
f)



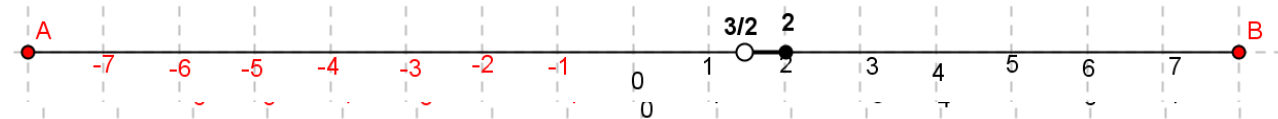
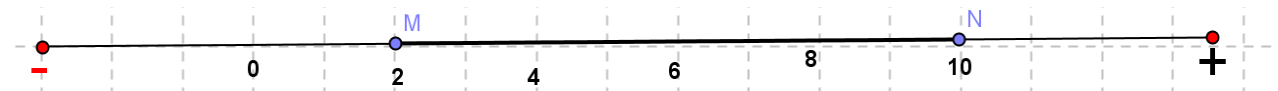
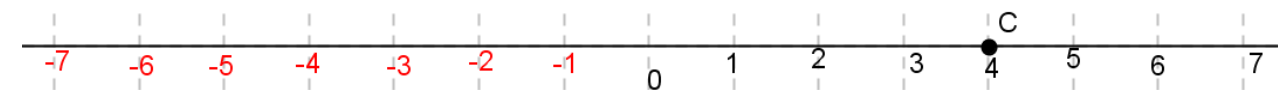
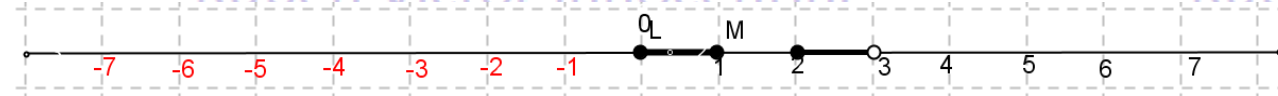
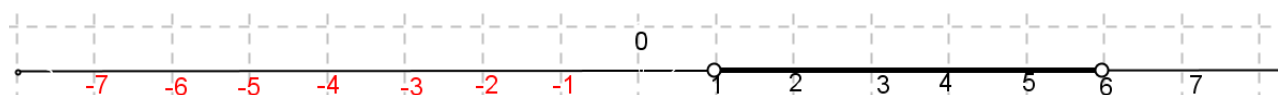
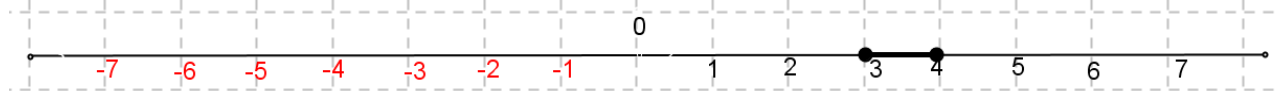
g)



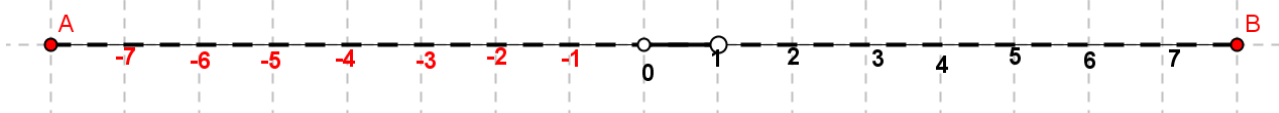
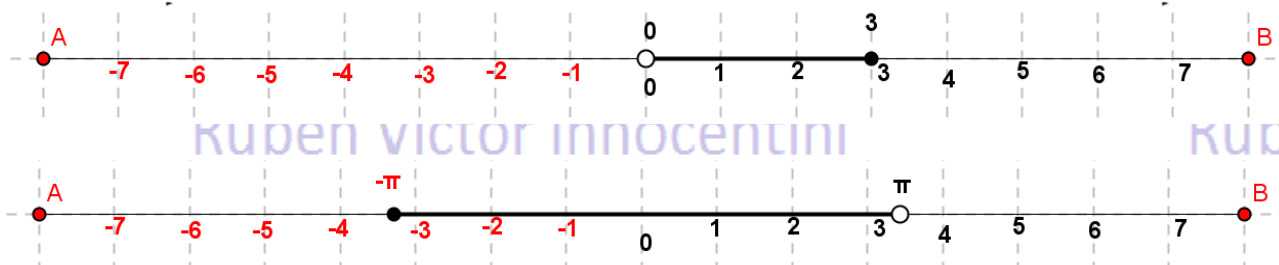
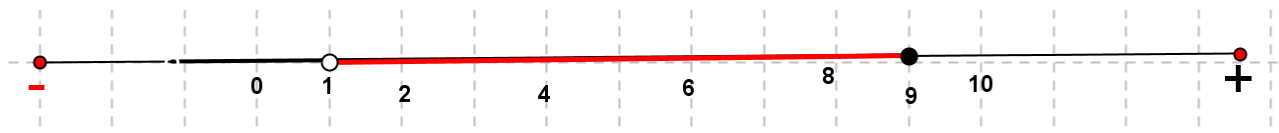
MATEMÁTICA
 Respuestas de la práctica 1



h)

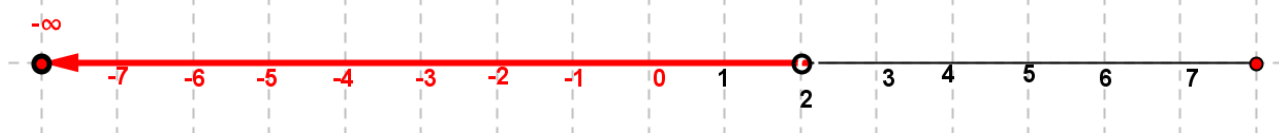


MATEMÁTICA
 Respuestas de la práctica 1

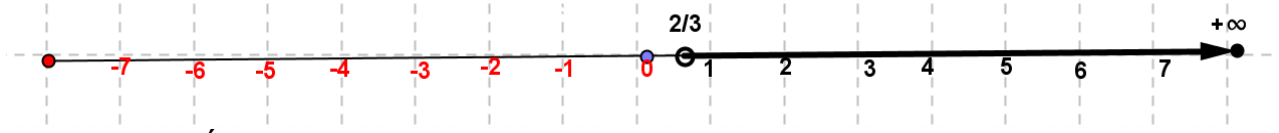


Ejercicio 4.-

a) $(-\infty; 2)$

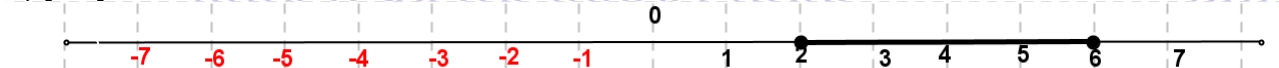


b) $(2/3; +\infty)$

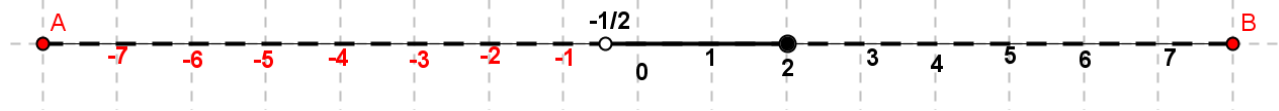


c) \mathbb{R} d) \emptyset

e) $[2; 6]$



f) $(-1/2; 2]$



Ejercicio 5.-

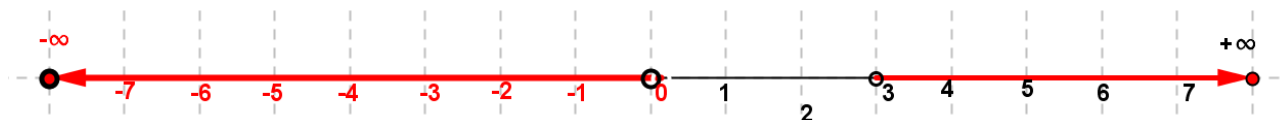
a) $a = -1$

b) $a = 5$

Ejercicio 6.-

a)
 $(-\infty; 0) \cup (2; +\infty)$

MATEMÁTICA
Respuestas de la práctica 1



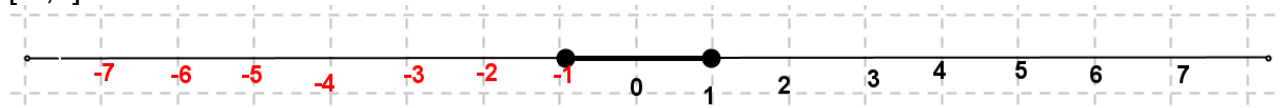
b)
 $(-4;2)$



c)
 $[0;3]$

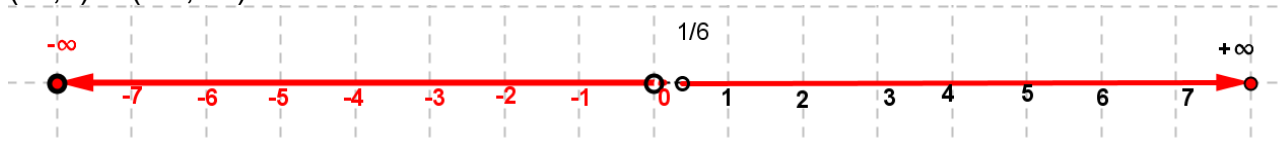


d)
 $[-1;1]$

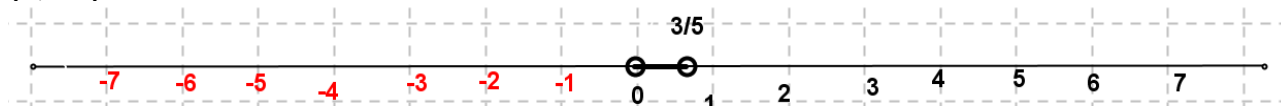


Ejercicio 7.-

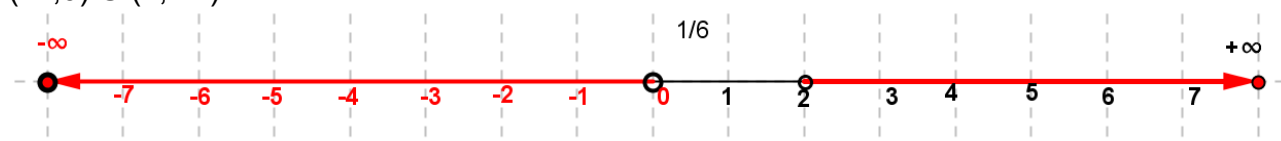
a)
 $(-\infty;0) \cup (1/6;+\infty)$



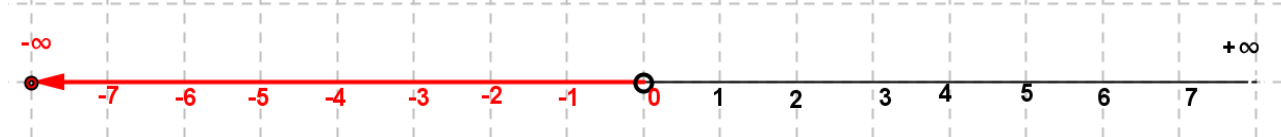
b)
 $(0;3/5)$



c)
 $(-\infty;0) \cup (2;+\infty)$

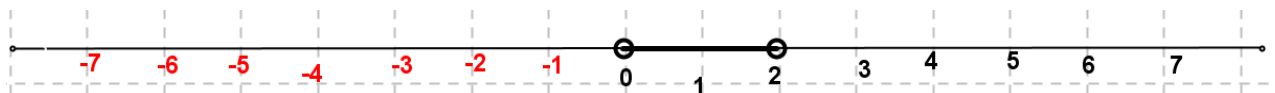


d)
 $(-\infty;0)$

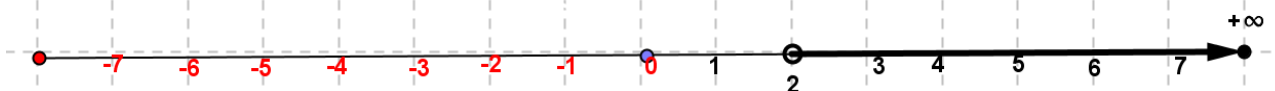


e)
 $(0;2)$

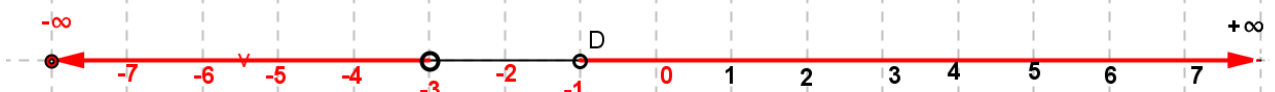
MATEMÁTICA
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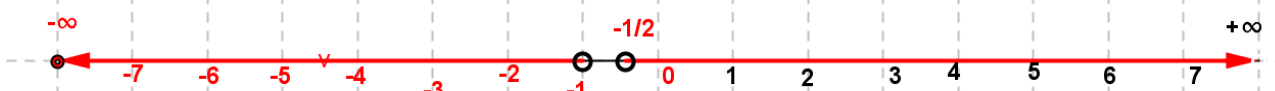
f)
 $(2; +\infty)$



g)
 $(-\infty; -3) \cup (-1; +\infty)$



h)
 $(-\infty; -1) \cup (-1/2; +\infty)$



Ejercicio 8.-

A)



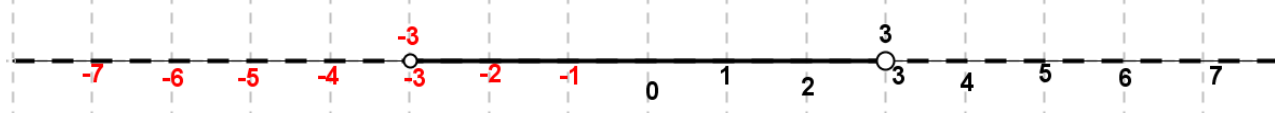
B)



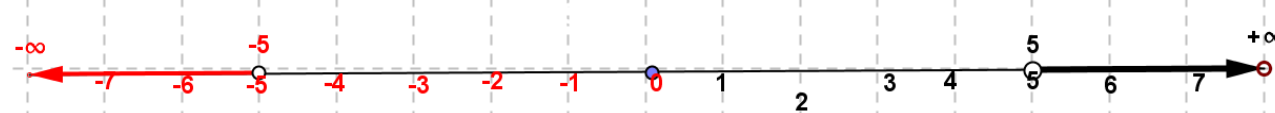
C)
 $\Phi = \{\}$

Rubén Victor Innocentini Rub

D)



E)

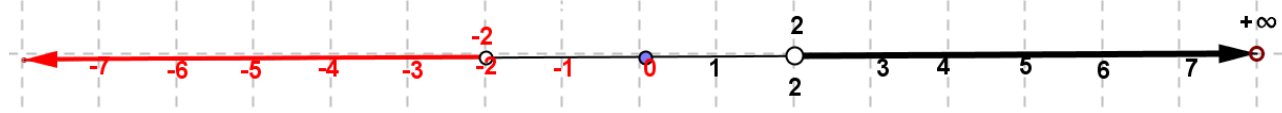


MATEMÁTICA
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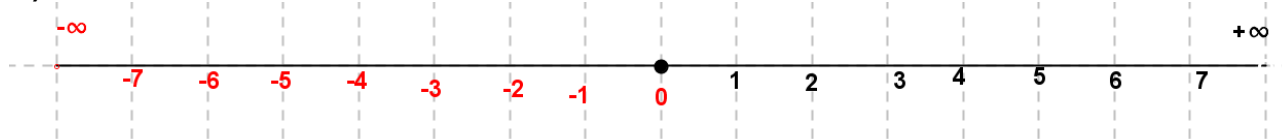
F)



G)

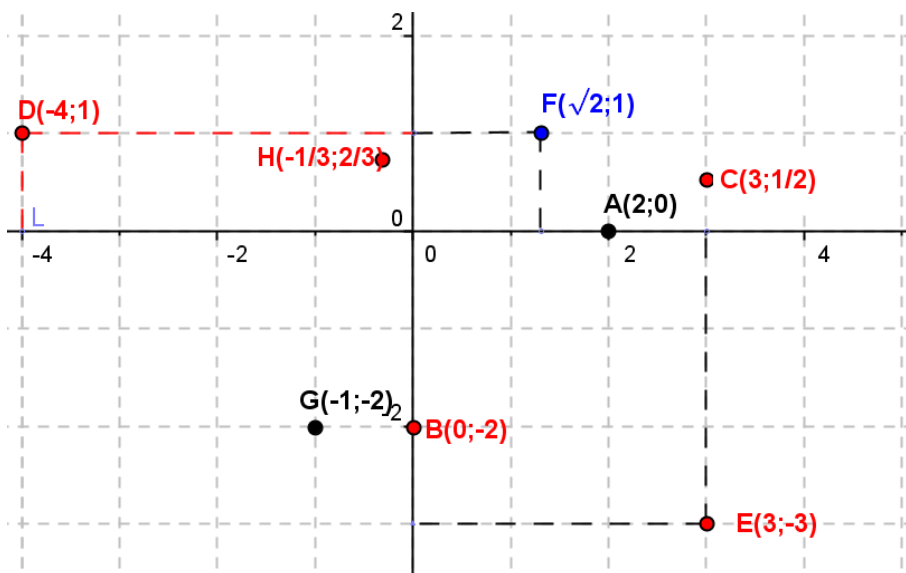


H)



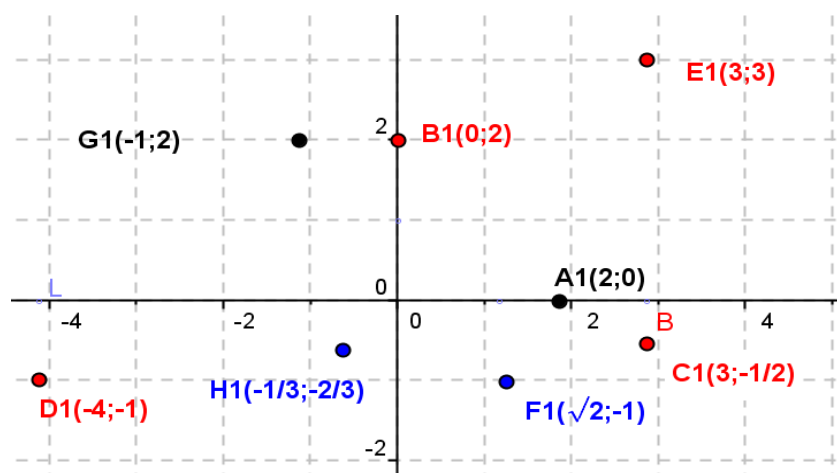
Ejercicio 9.-

a)



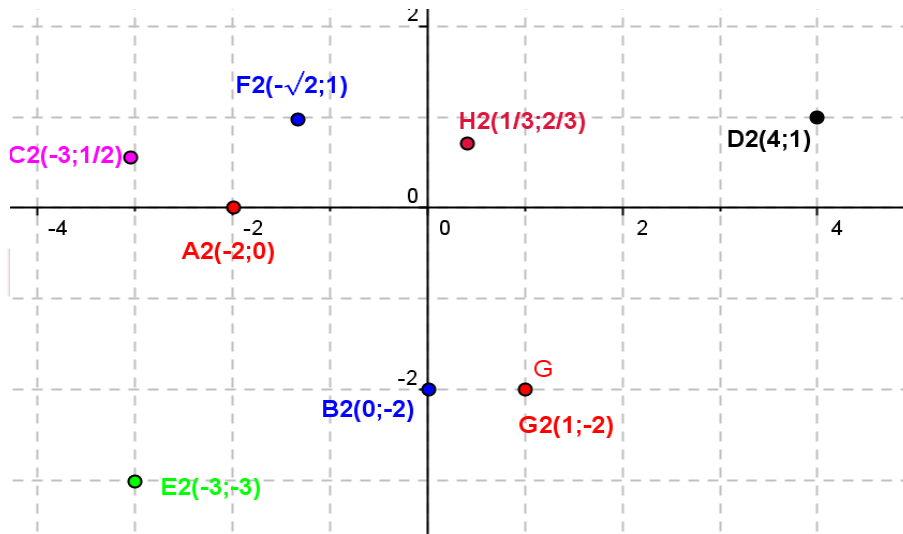
Rub

b)



MATEMÁTICA
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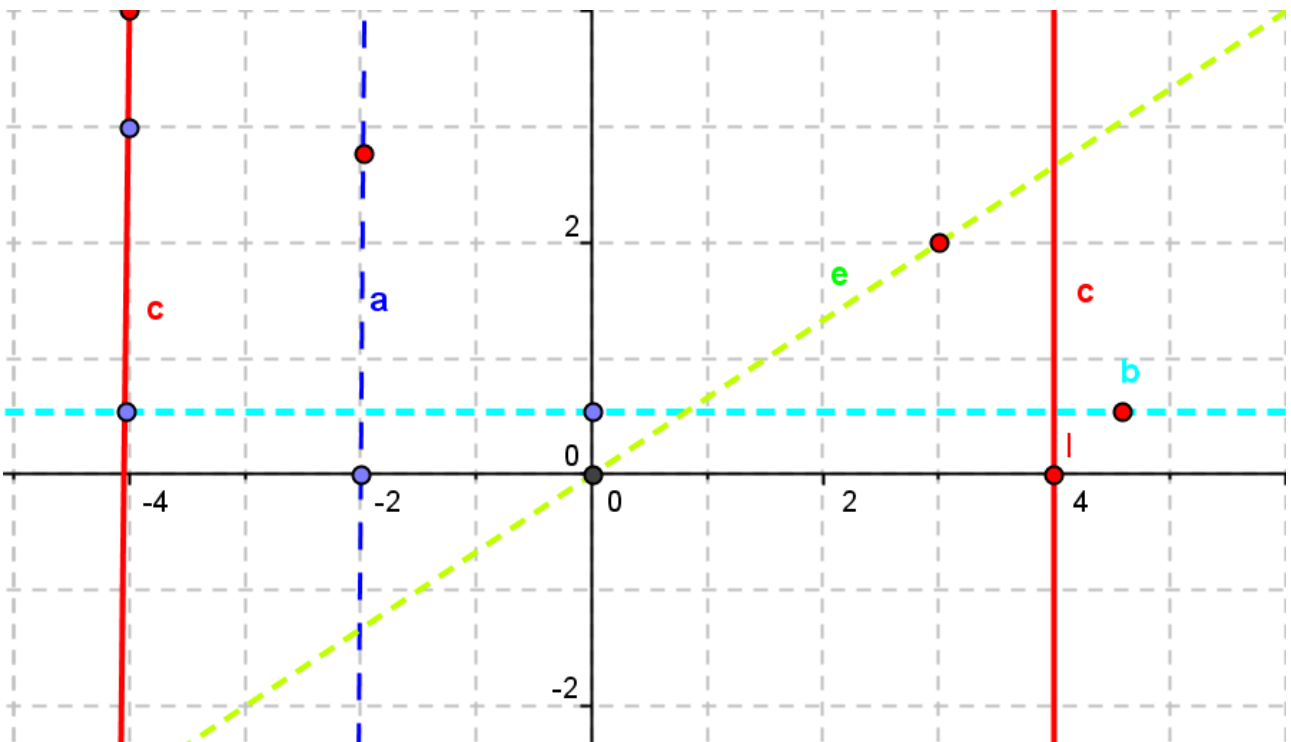
c)



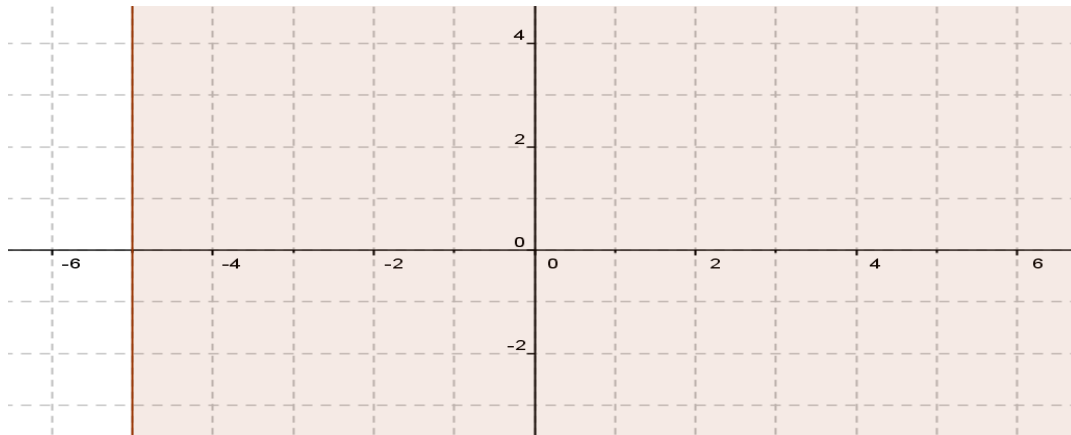
Rub

Ejercicio 10.-

a, b, c, e

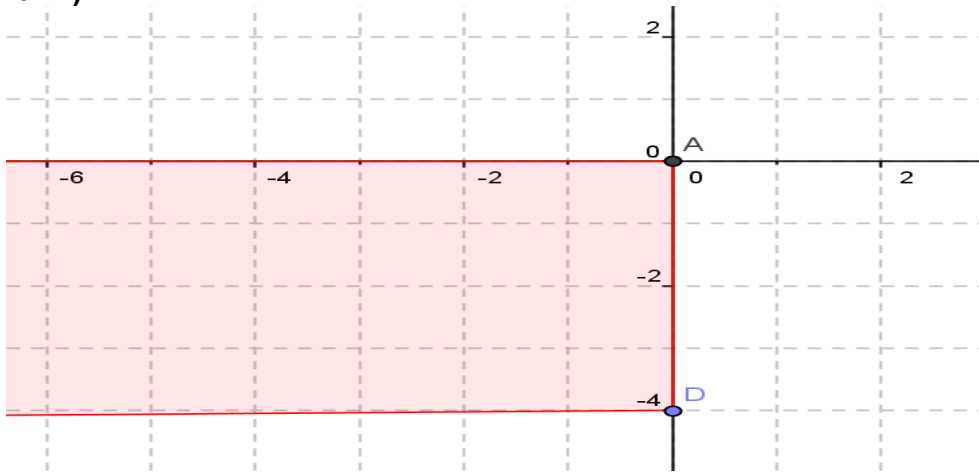


Ejercicio 10.- d)

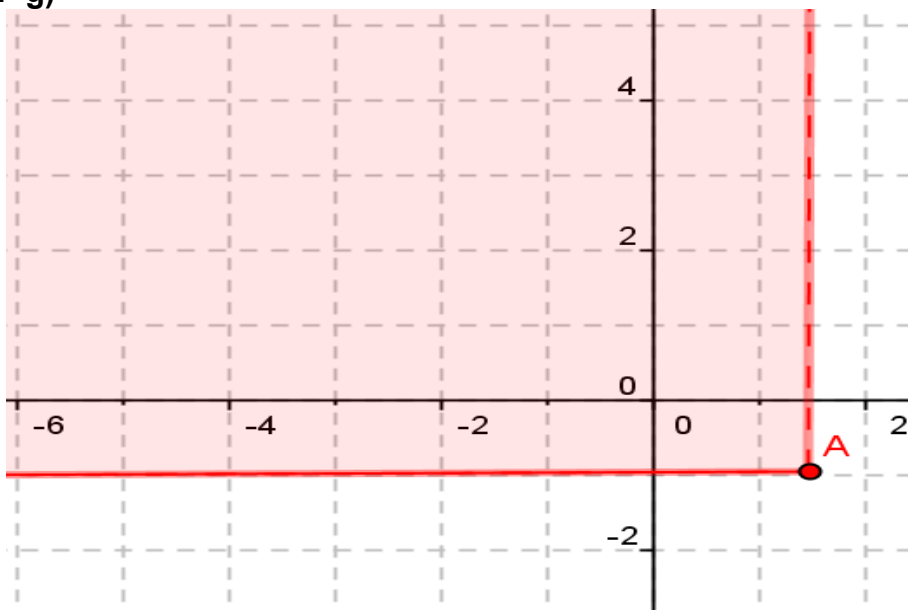


Rub

Ejercicio 10.- f)

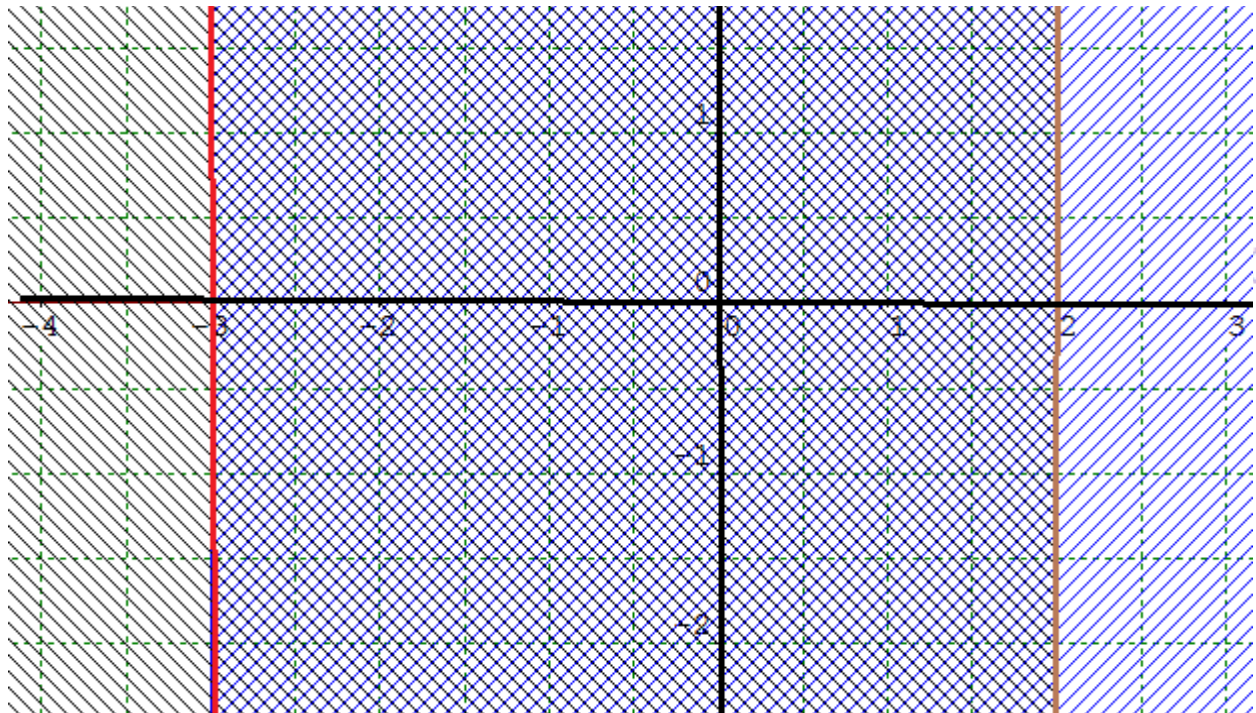


Ejercicio 10.- g)

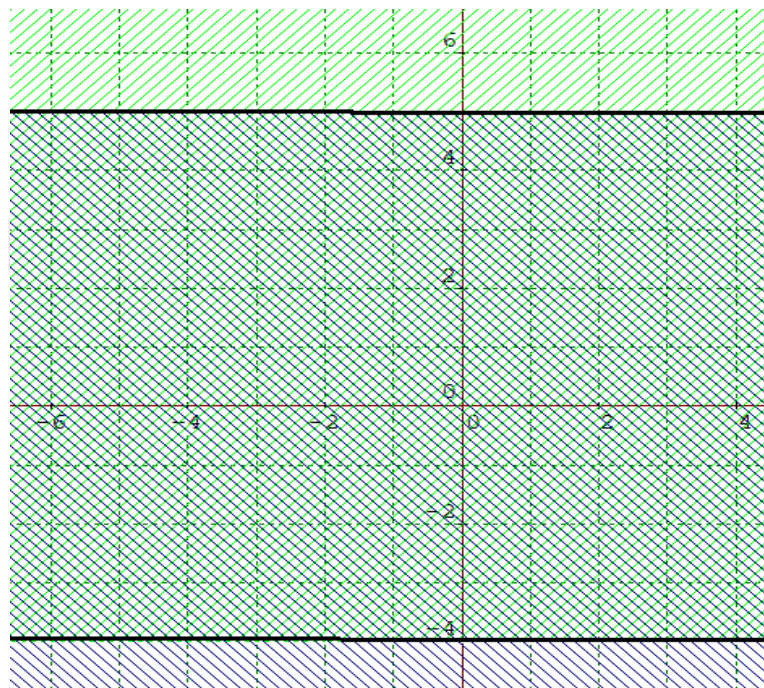


Rub

Ejercicio 11.- B)



Ejercicio 11.- C)

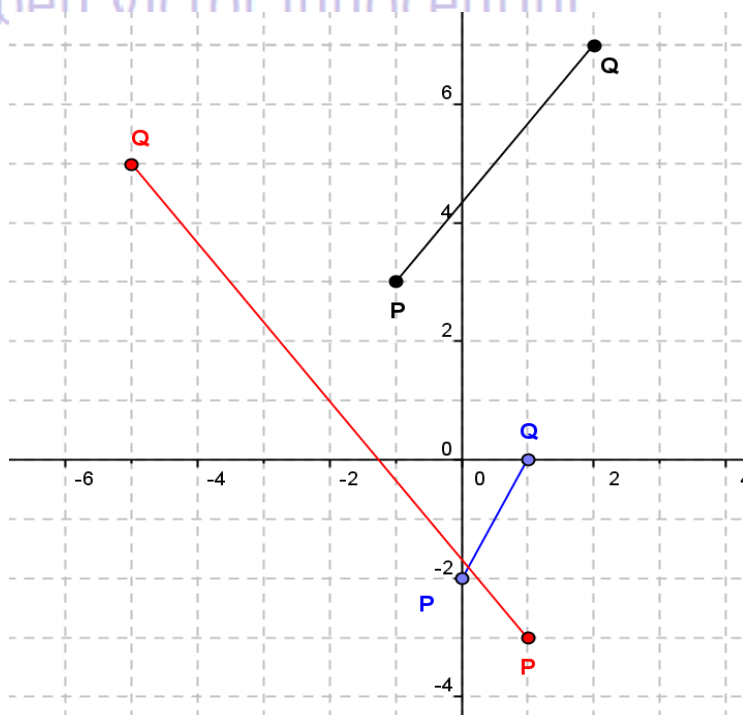


Ejercicio 12.-

a) $A = \{(x;y) \in \mathbb{R} / 1 < y < 3\}$	b) $B = \{(x;y) \in \mathbb{R} / 1 < y < 3 \cap x = 1\}$
c) $C = \{(x;y) \in \mathbb{R} / x = 2\}$	d) $D = \{(x;y) \in \mathbb{R} / y = -2 \cap x > 1\}$
e) $E = \{(x;y) \in \mathbb{R} / x \leq 3 \cap y > 1\}$	f) $F = \{(x;y) \in \mathbb{R} / x \geq 0 \cap y \leq 0\}$

Ejercicio 13.-

a)



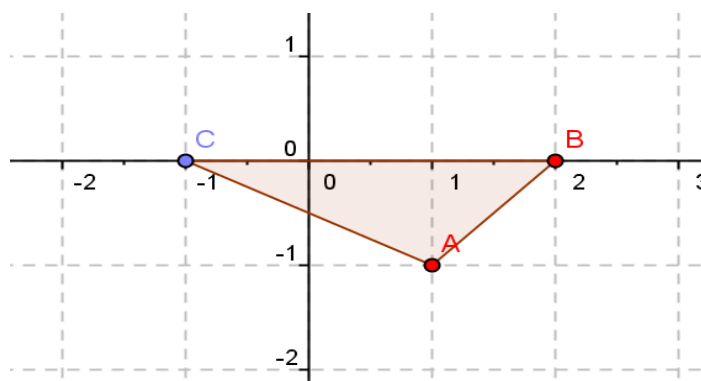
i) $d(PQ) = 5$

ii) $d(PQ) = \sqrt{5} \approx 2.236...$

iii) $d(PQ) = 10$

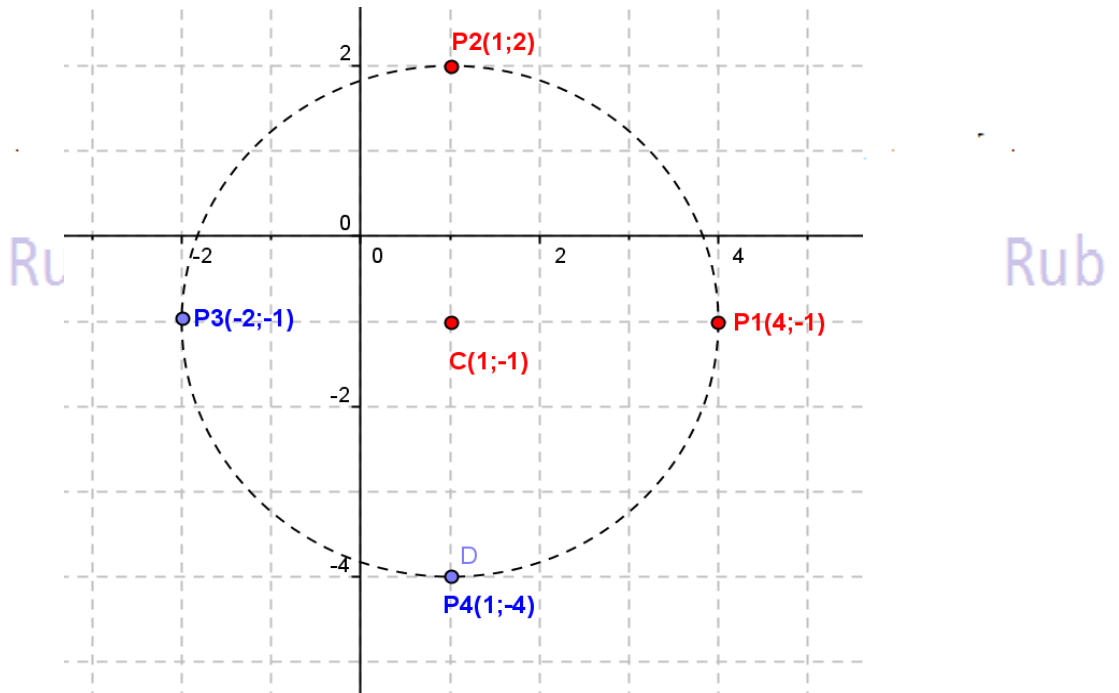
Ejercicio 13.-

b)

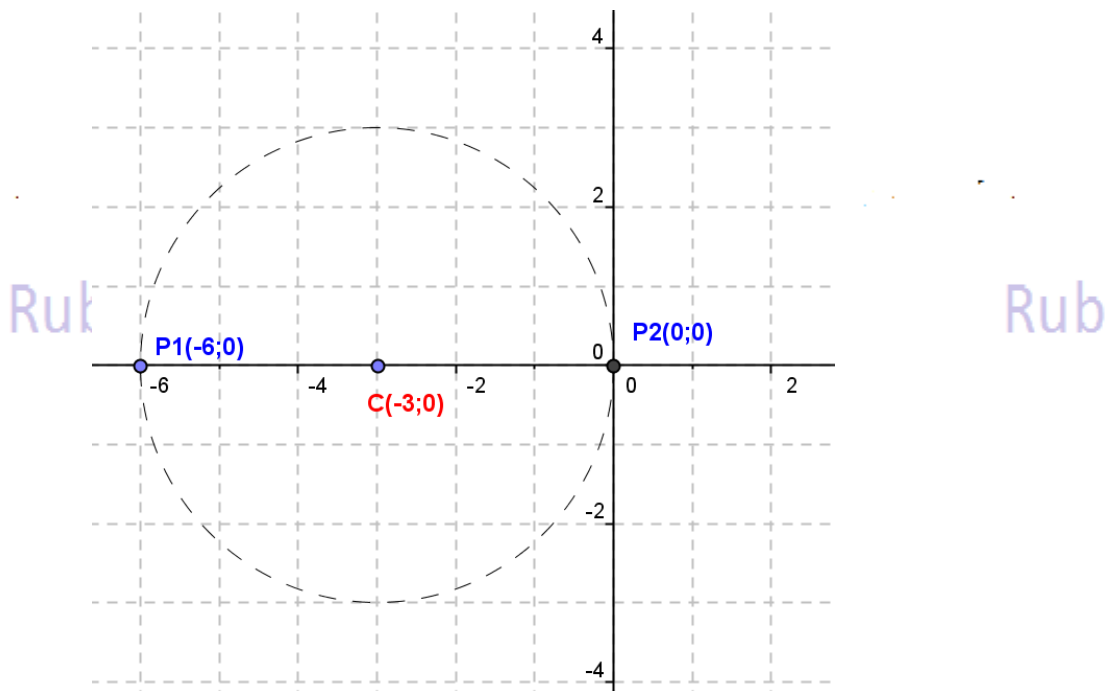


$\text{perim}(abc) = \sqrt{2} + 3 + \sqrt{5} \approx 6.65$

Ejercicio 13.-
c)

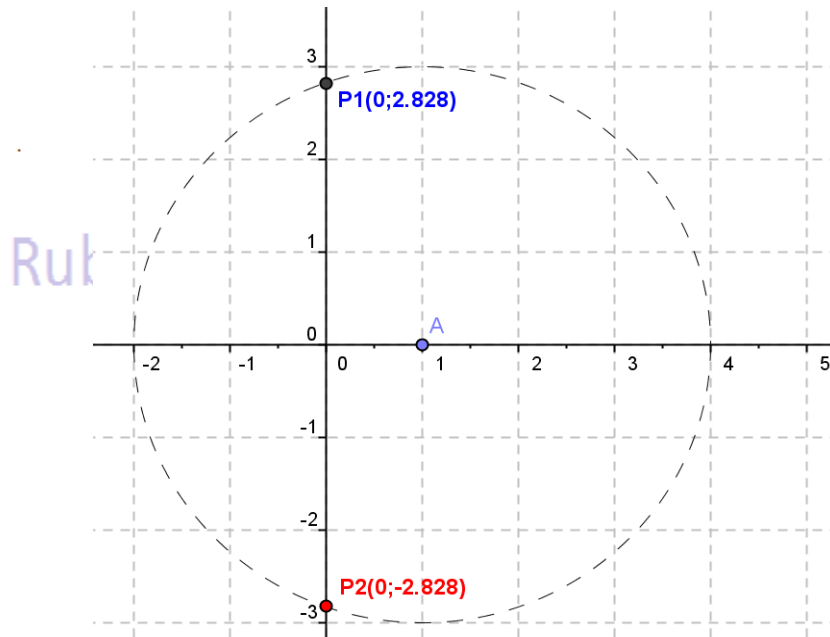


Ejercicio 13.-
d)

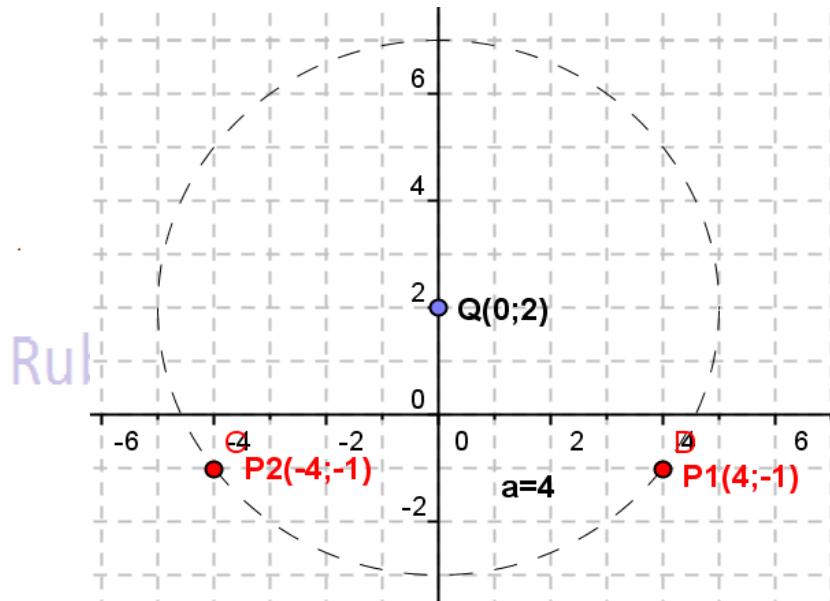


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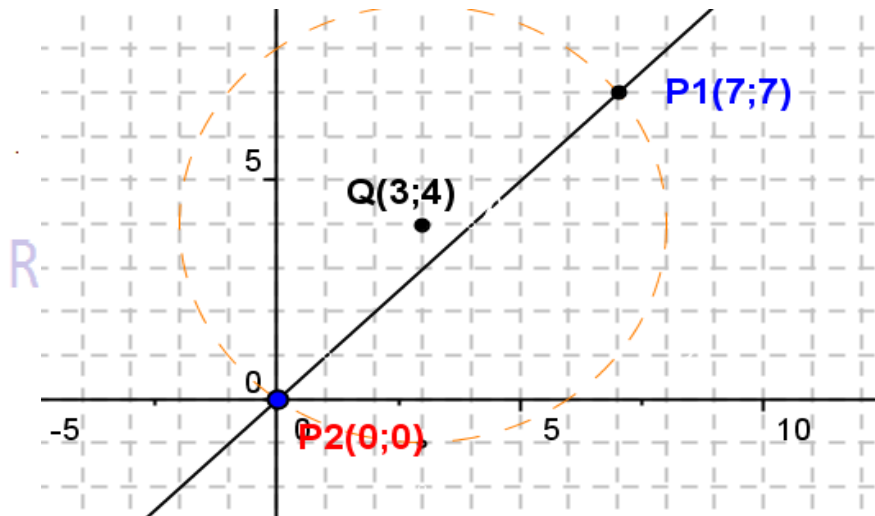
Ejercicio 13.-
e)



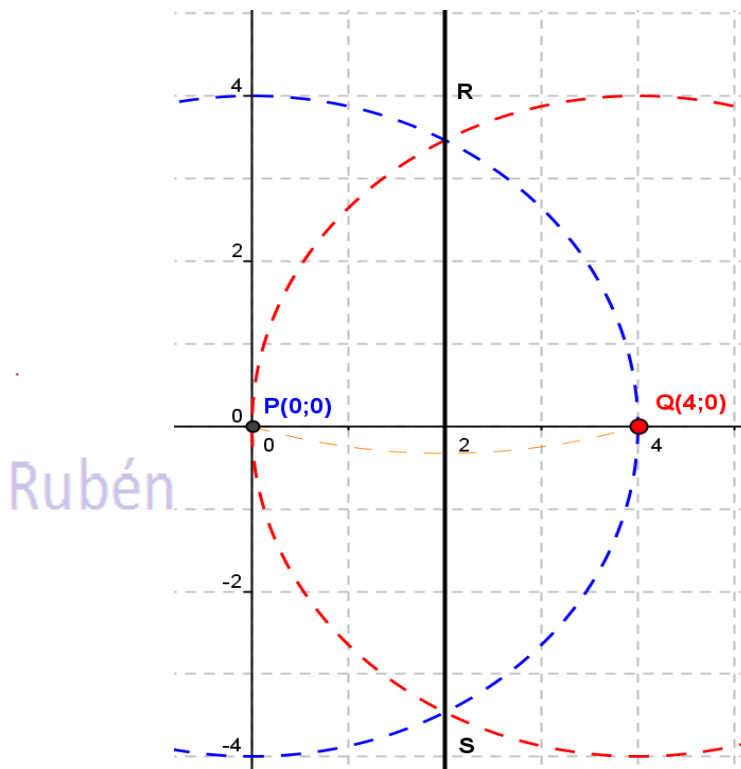
Ejercicio 13.-
f)



Ejercicio 13.-
g)



Ejercicio 13.-
h)



Todos los puntos de la recta RS equidistan de P y Q. Se dice que pq es la mediatriz del segmento PQ.