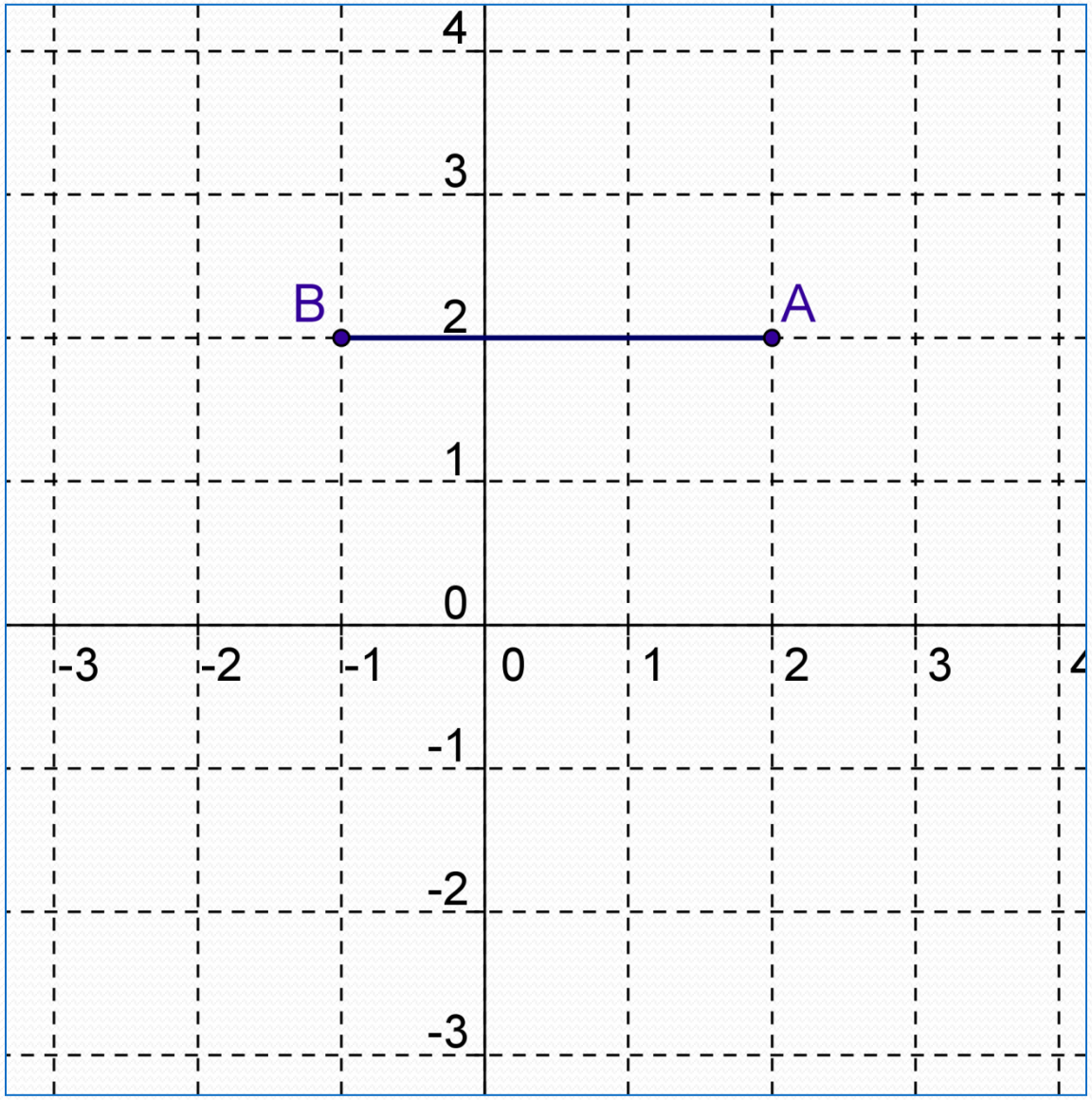
# Coordonnées de points du plan

## *Série 3*

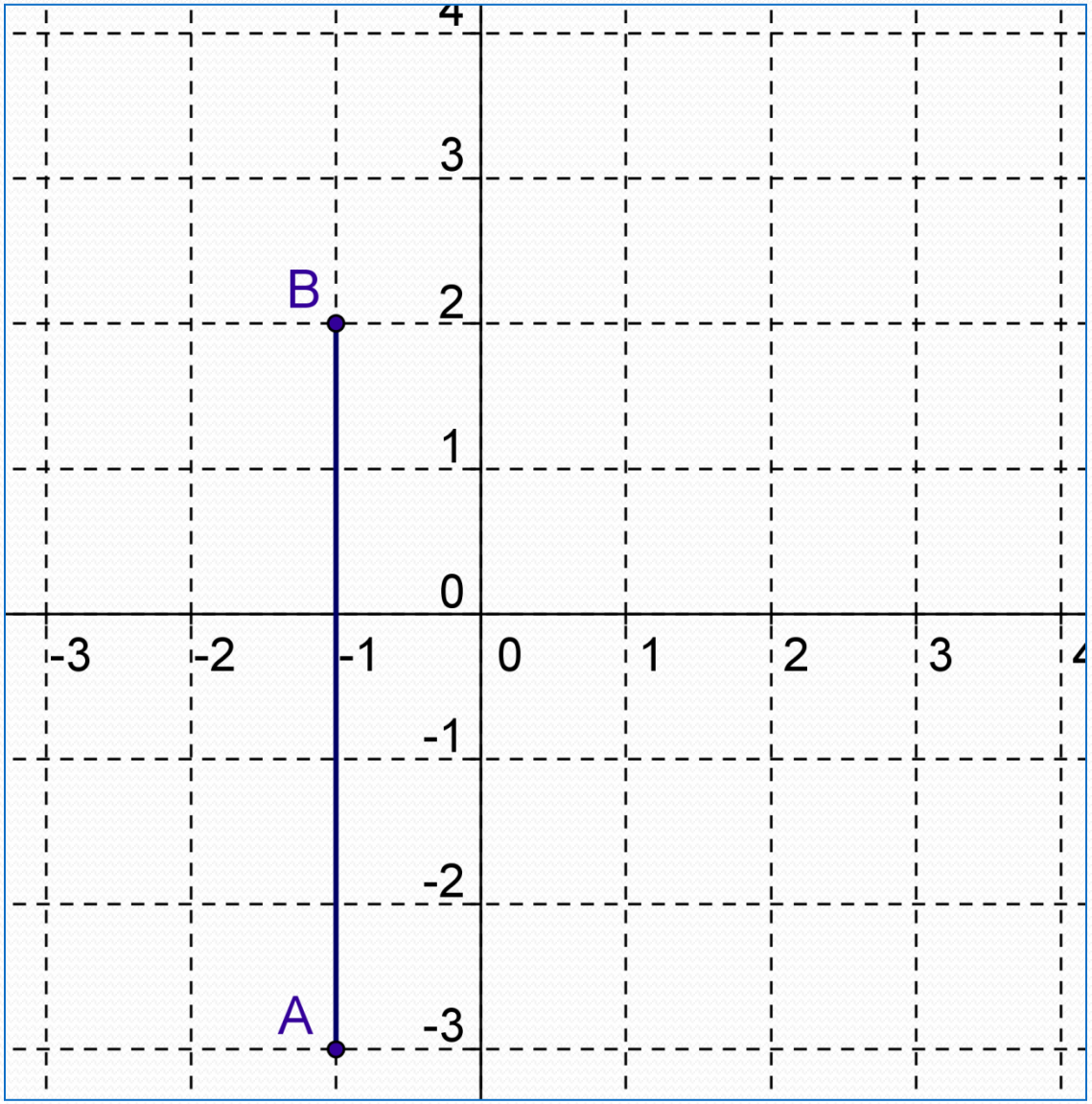
Calcul mental et automatismes – IREM de Clermont-Ferrand

Déterminer la distance AB.

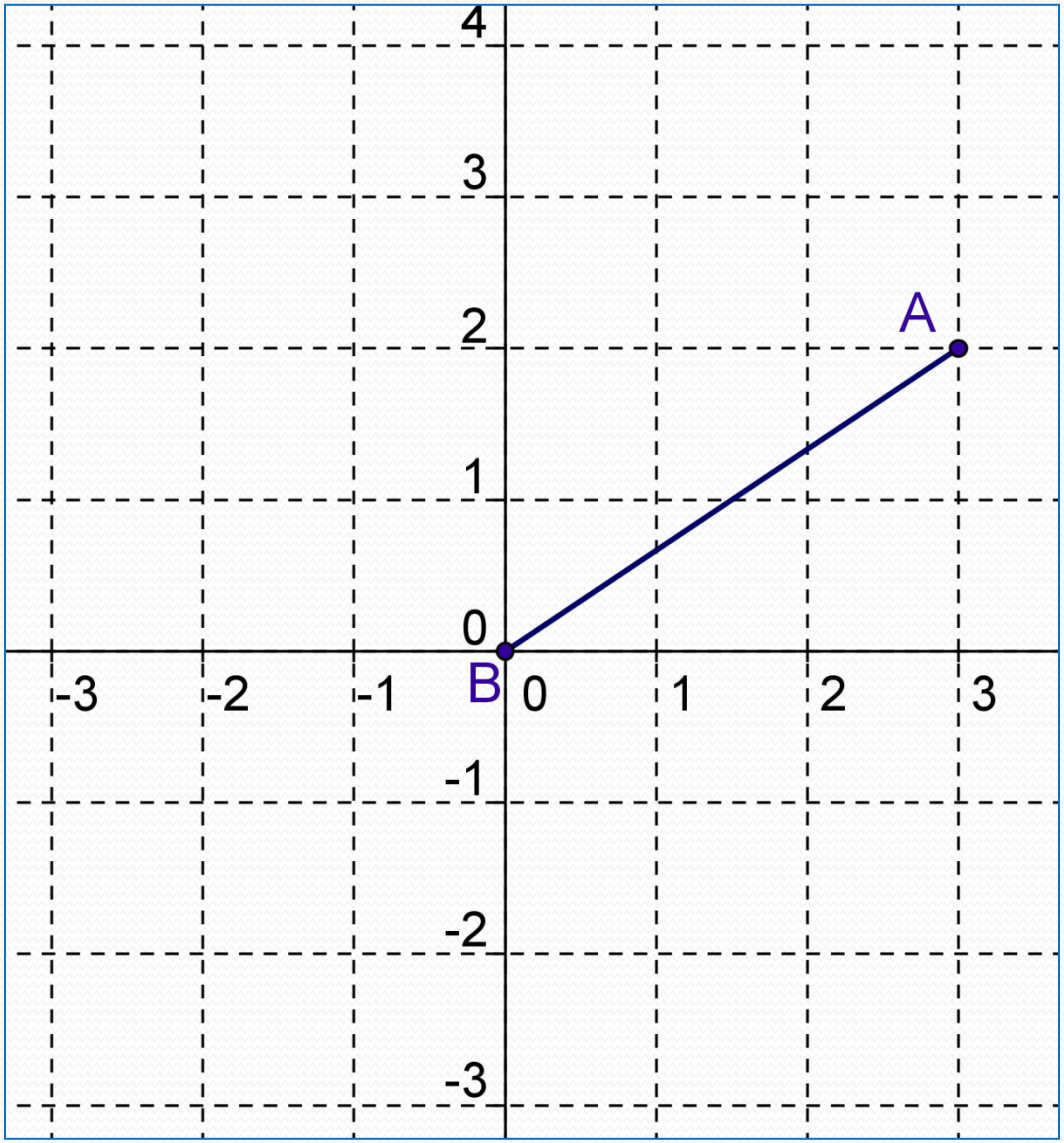
Q1



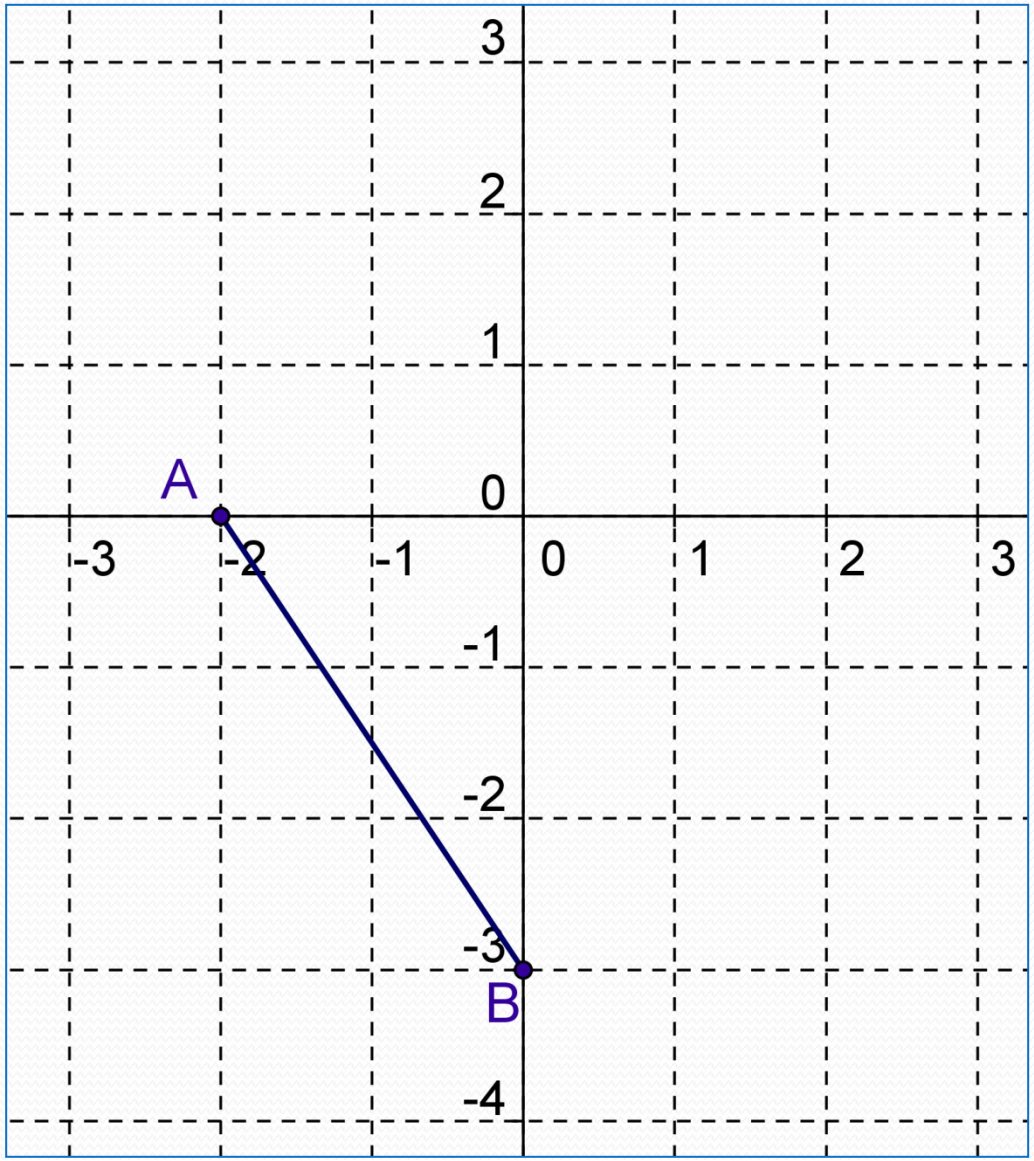
Q2



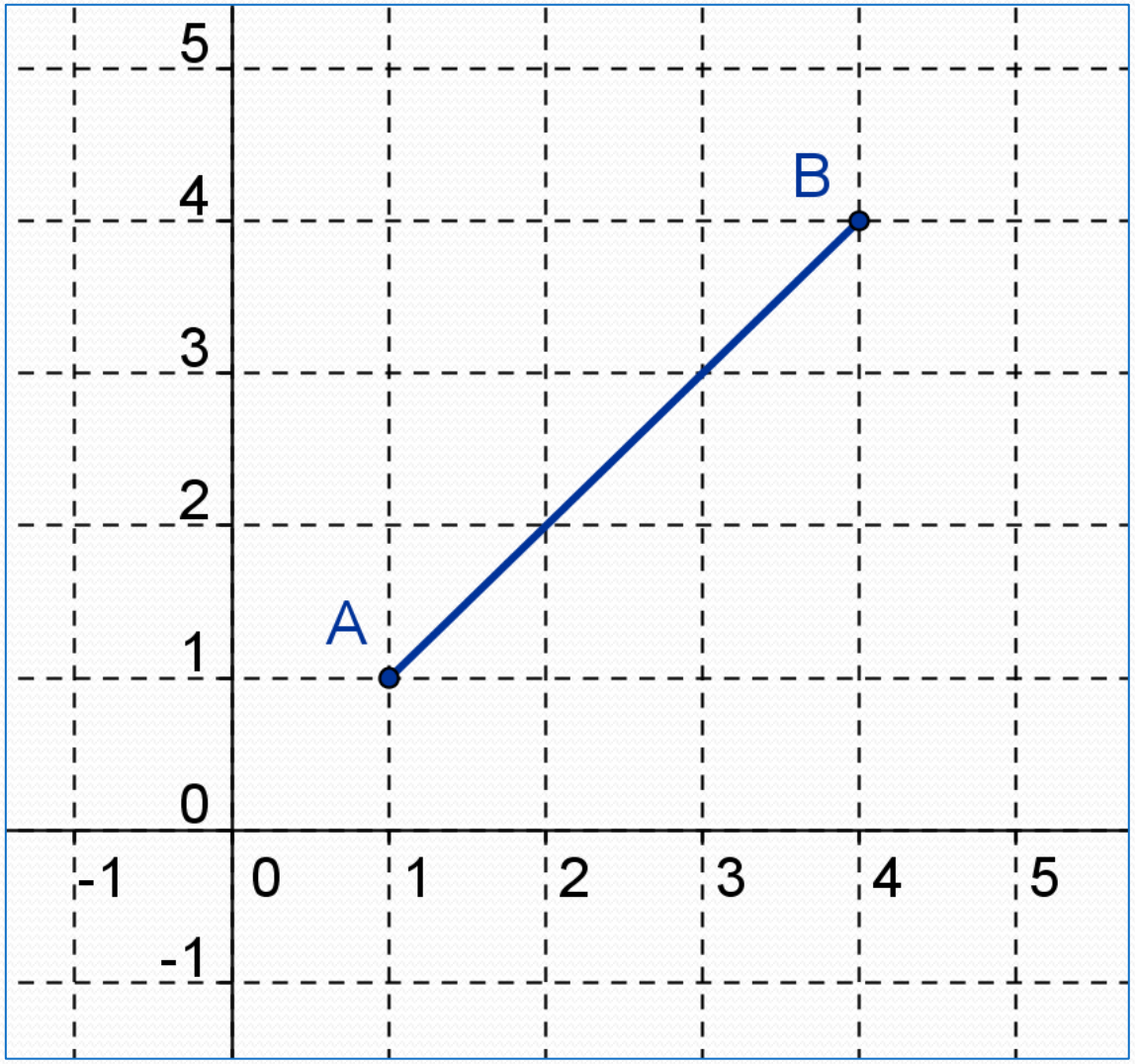
Q3



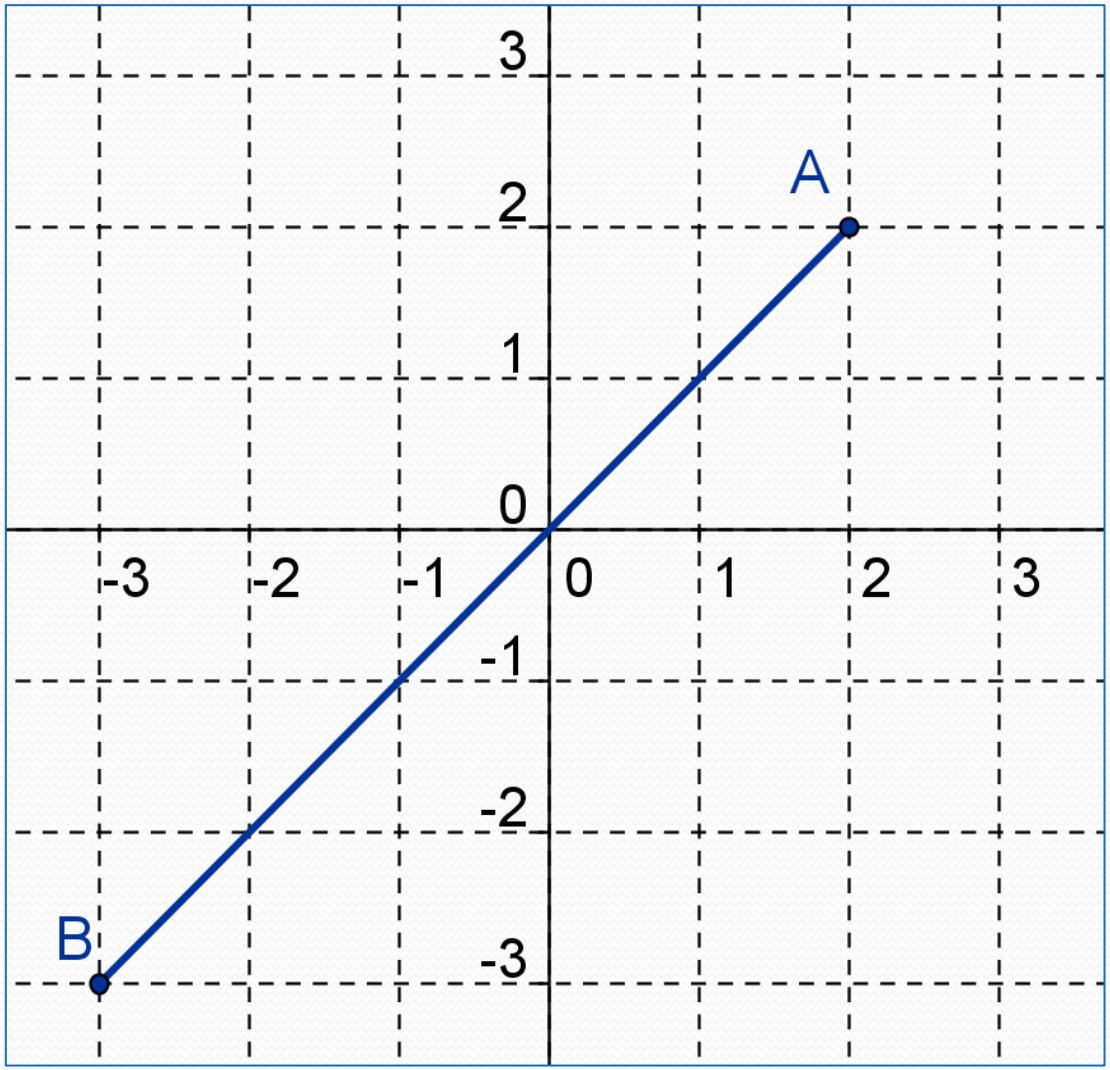
Q4



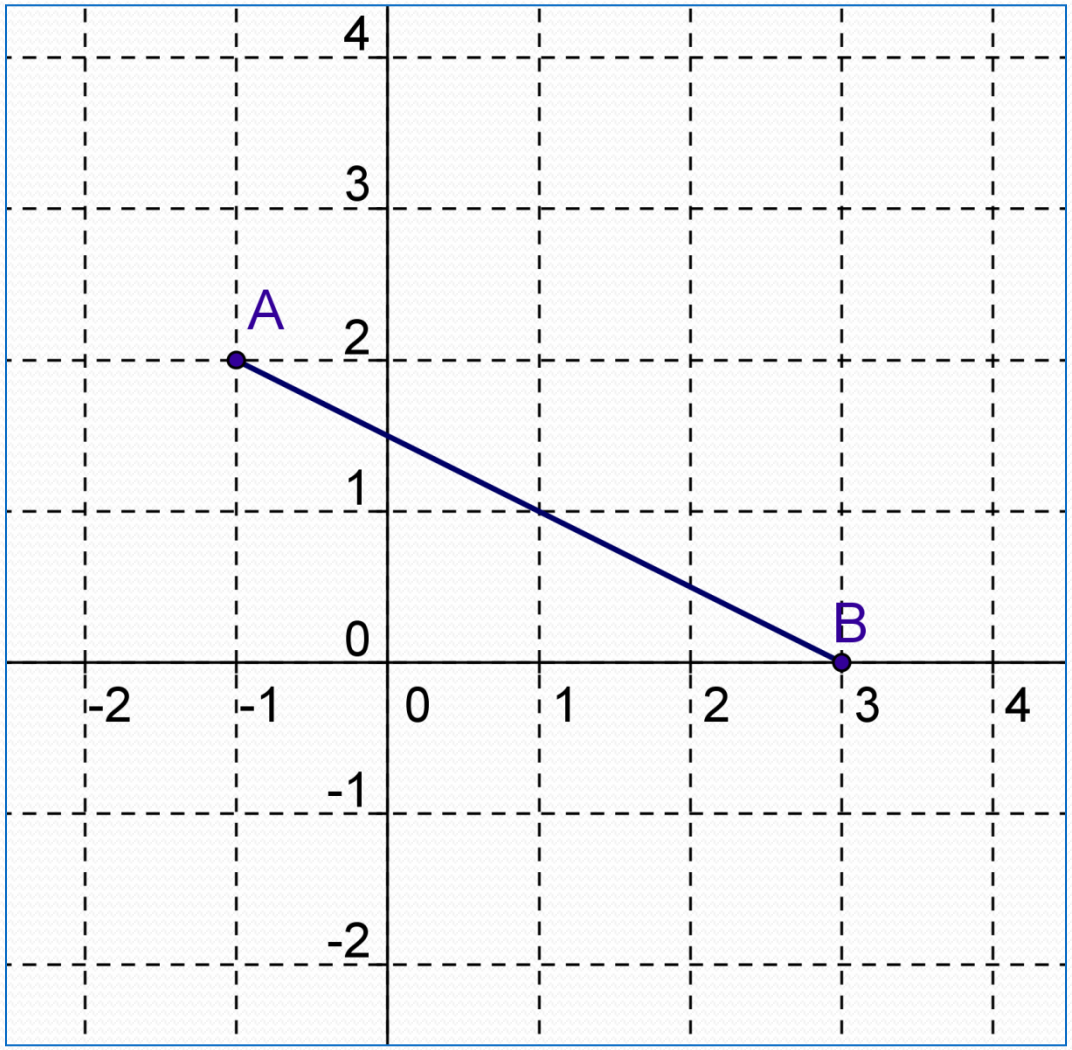
Q5



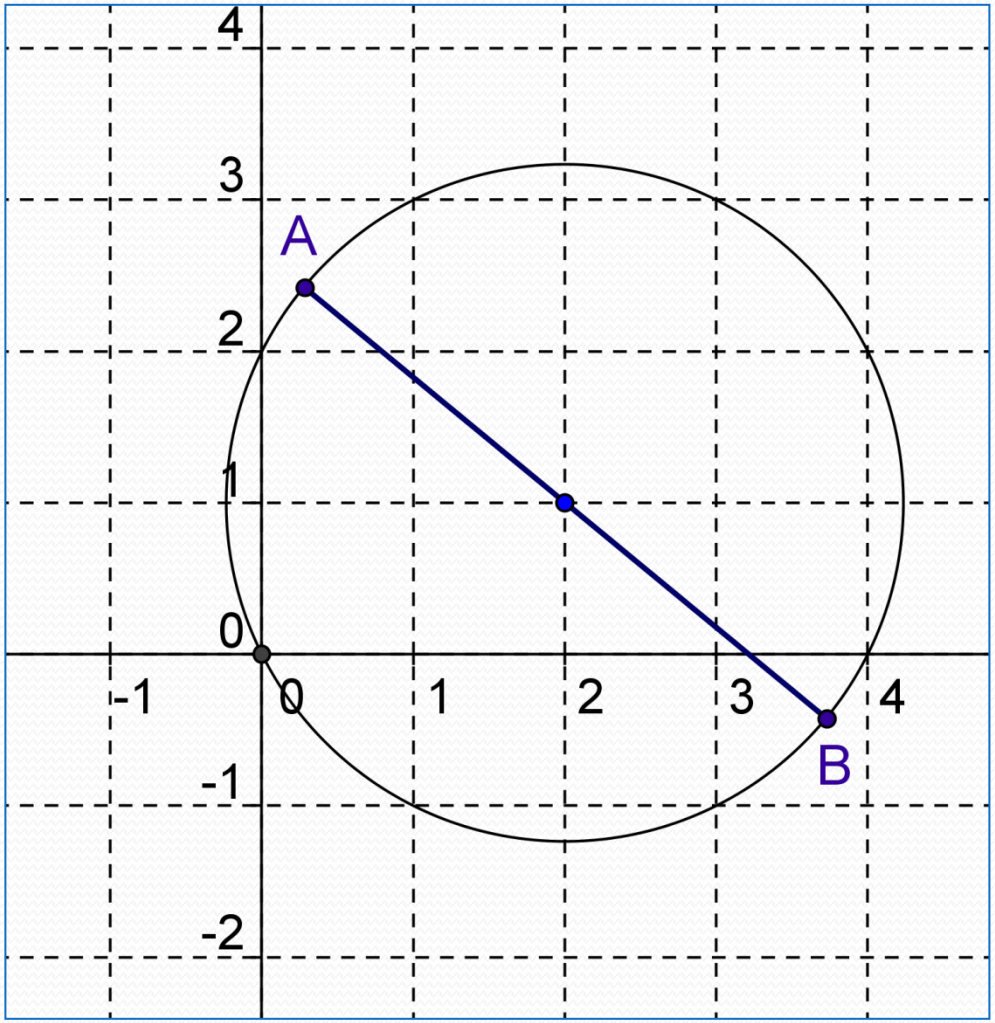
Q6



Q7



Q8




[AB] est un diamètre du cercle

Q9

$A(1;3)$ $B(4;7)$

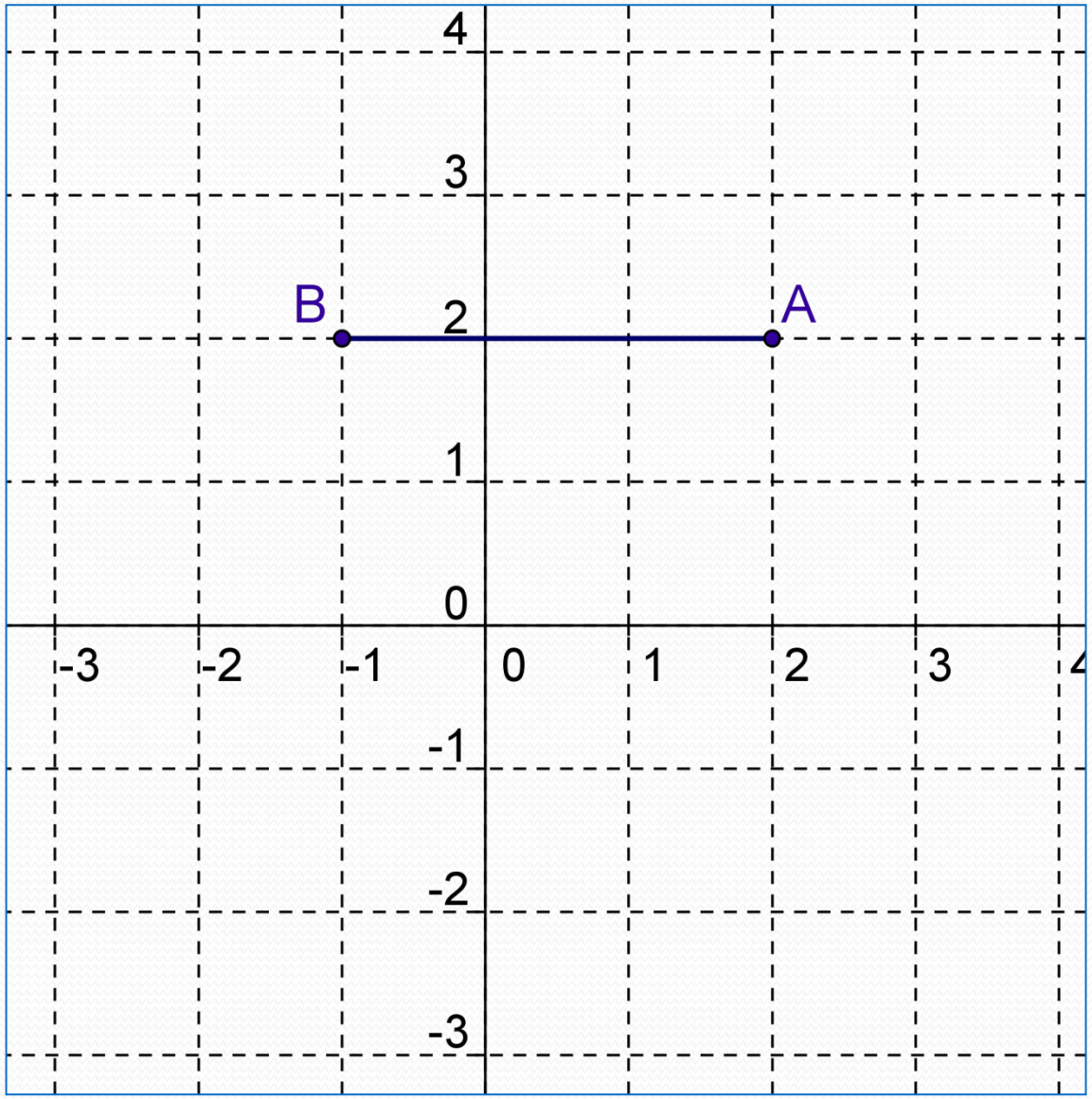
Q10

$A(1;-3)$ $B(4;-1)$

# *Correction*

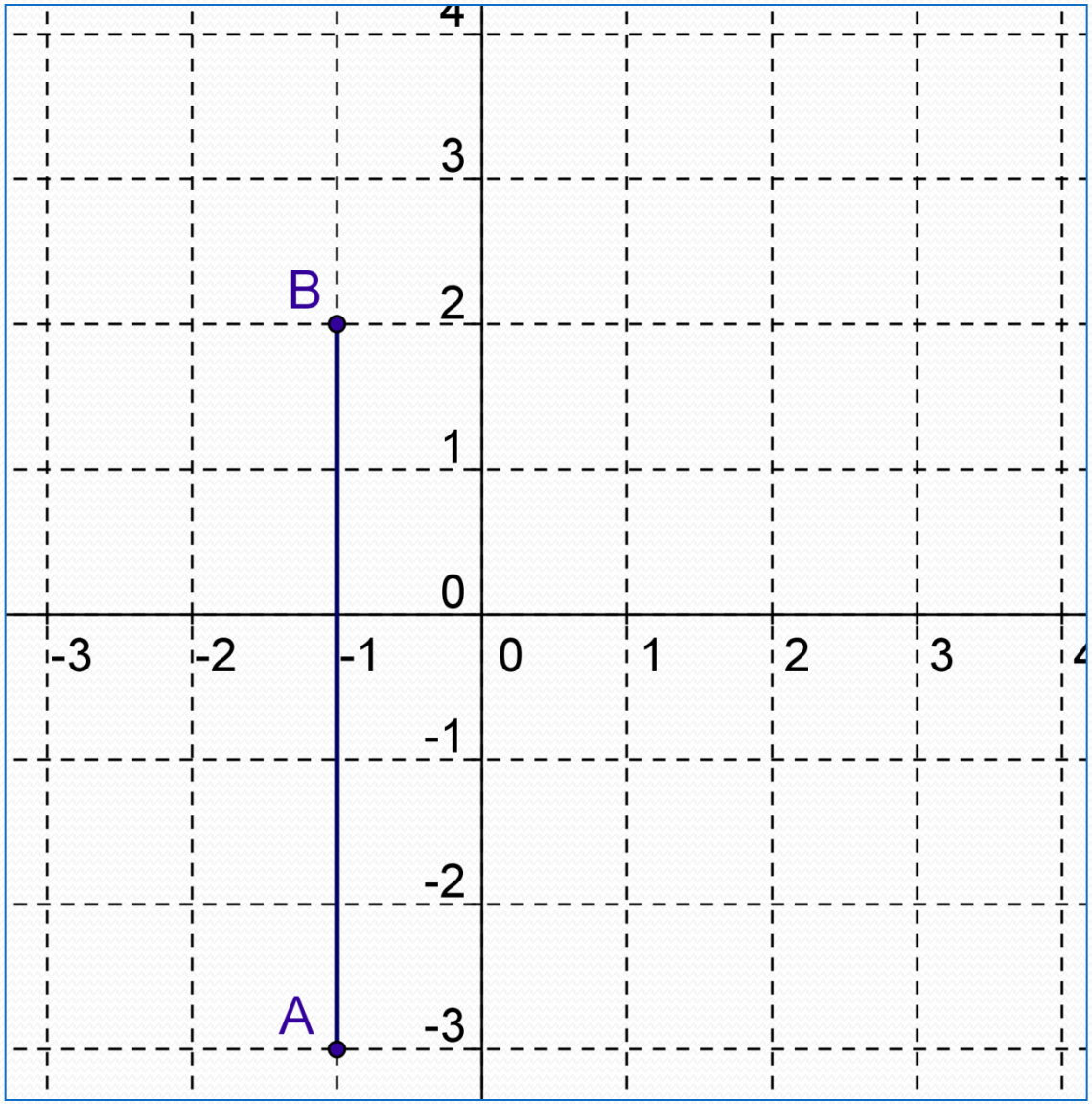
Q1

$AB = 3$



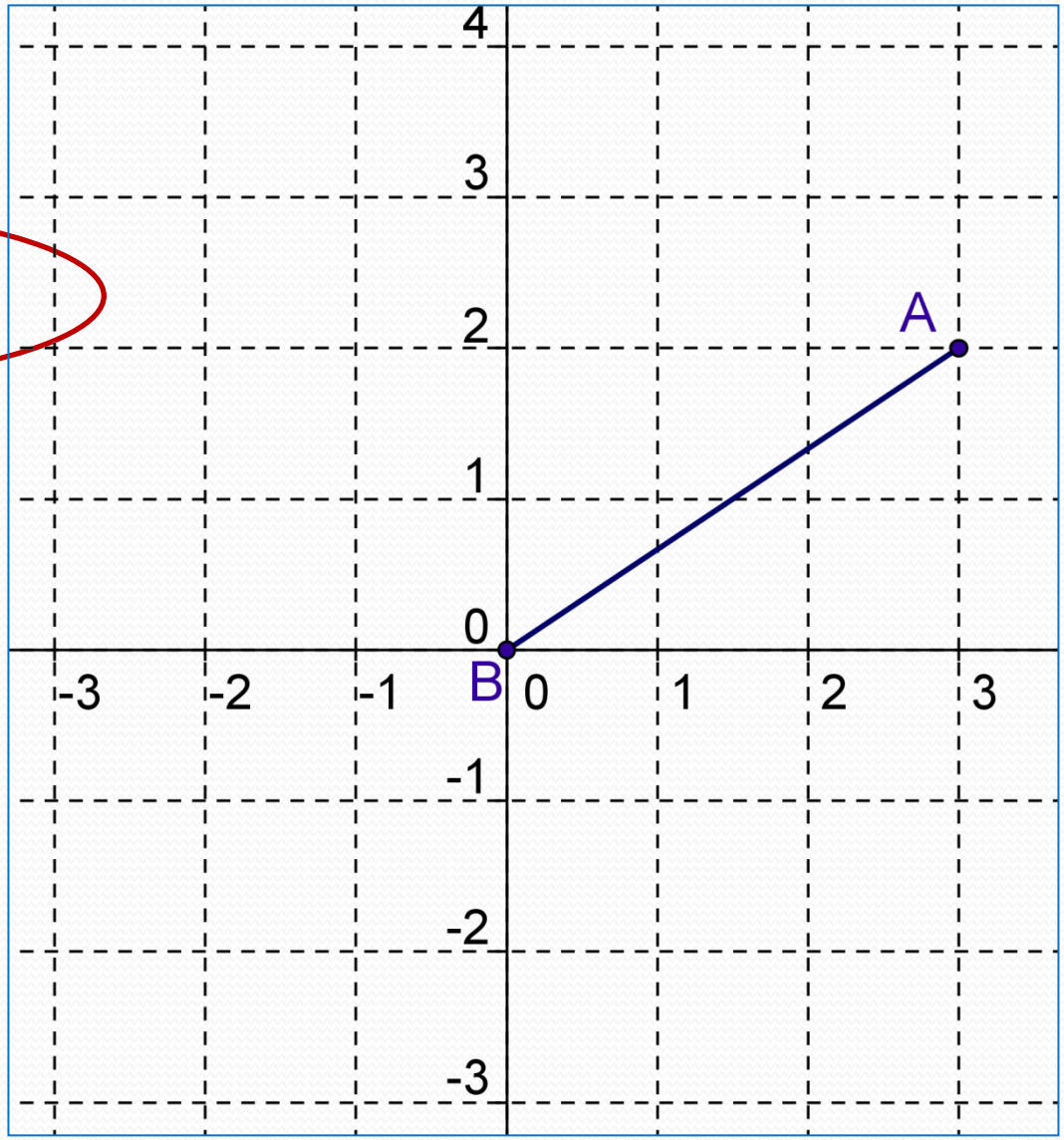
Q2

$AB = 5$



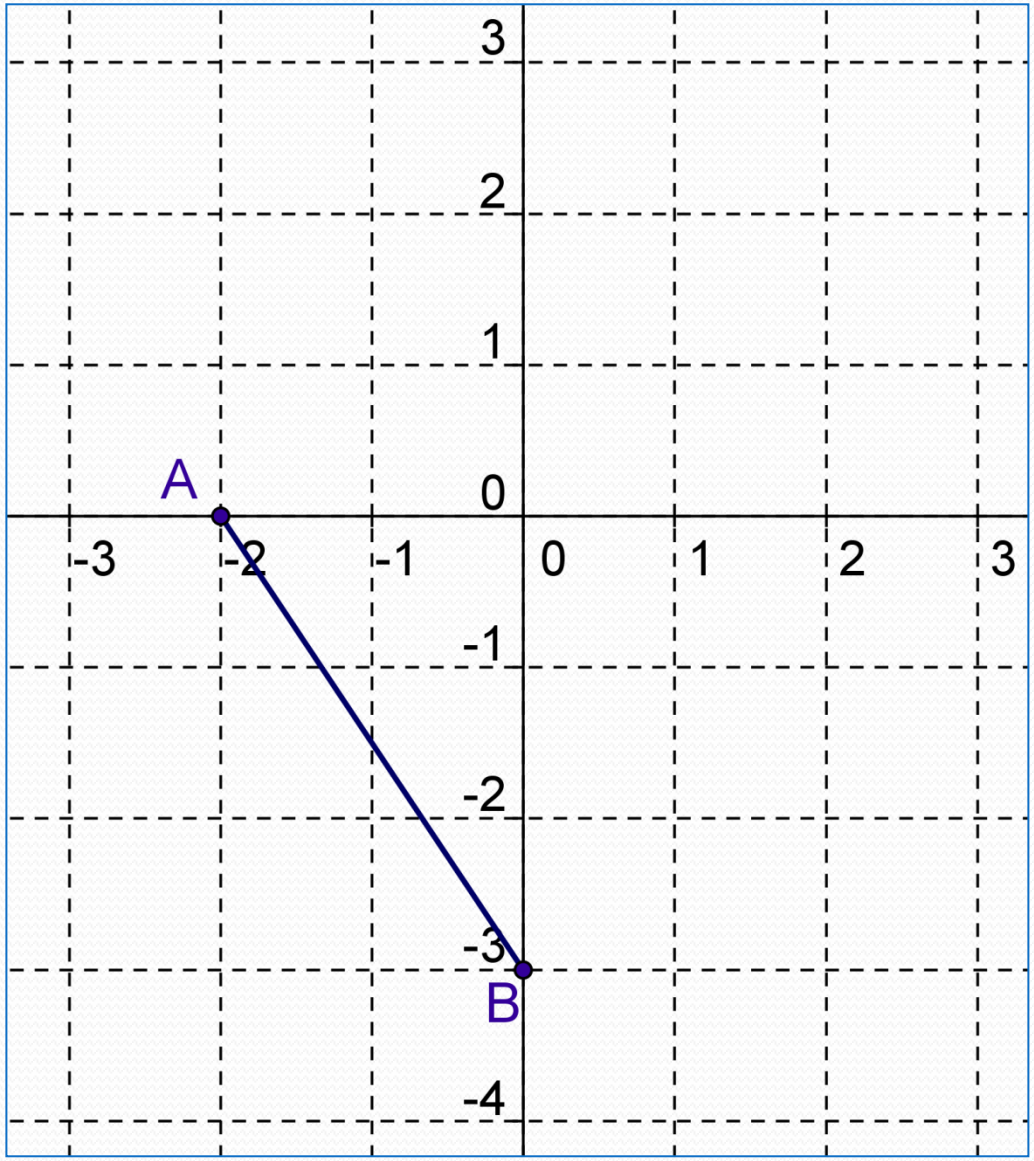
Q3

$AB = \sqrt{9 + 4} = \sqrt{13}$



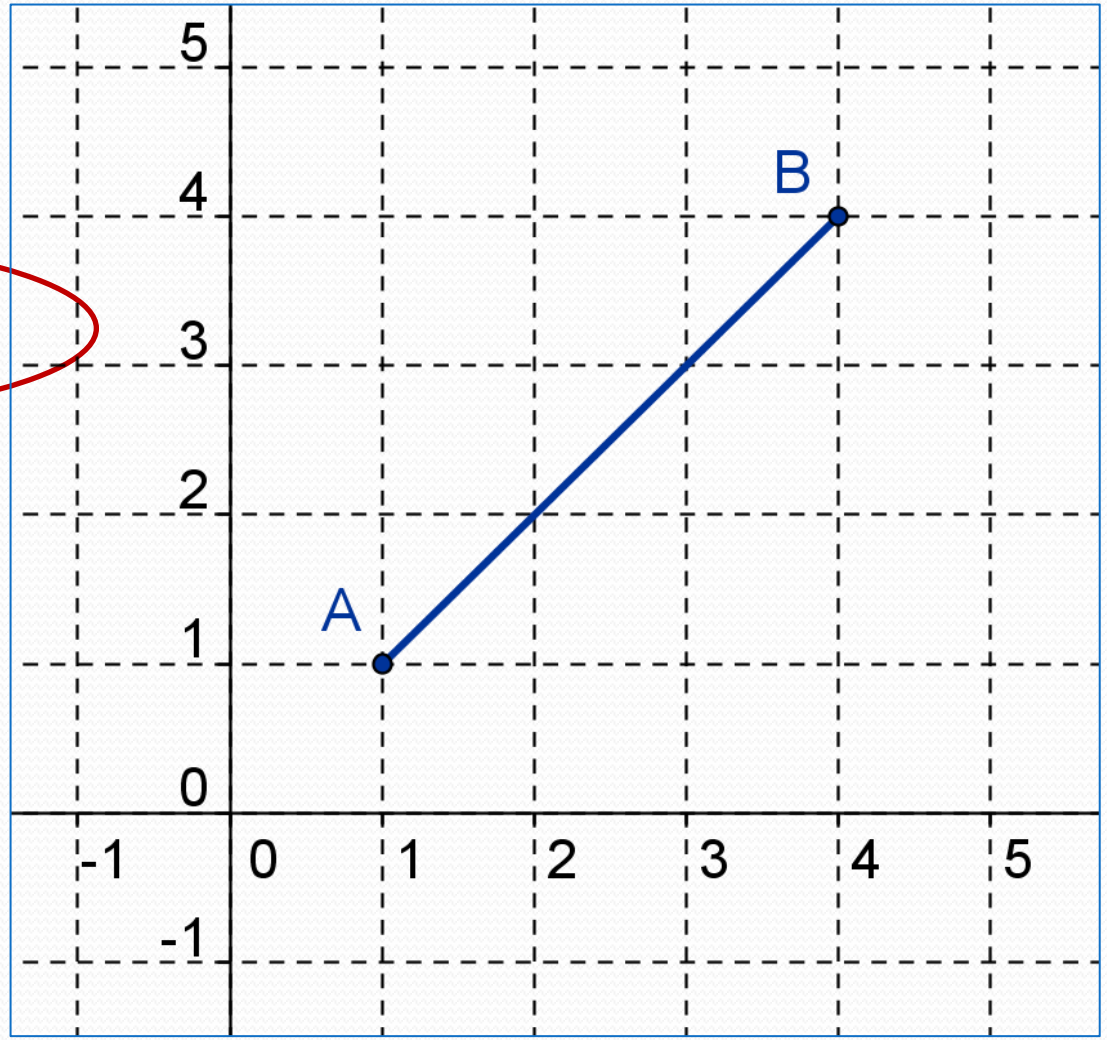
Q4

$AB = \sqrt{13}$



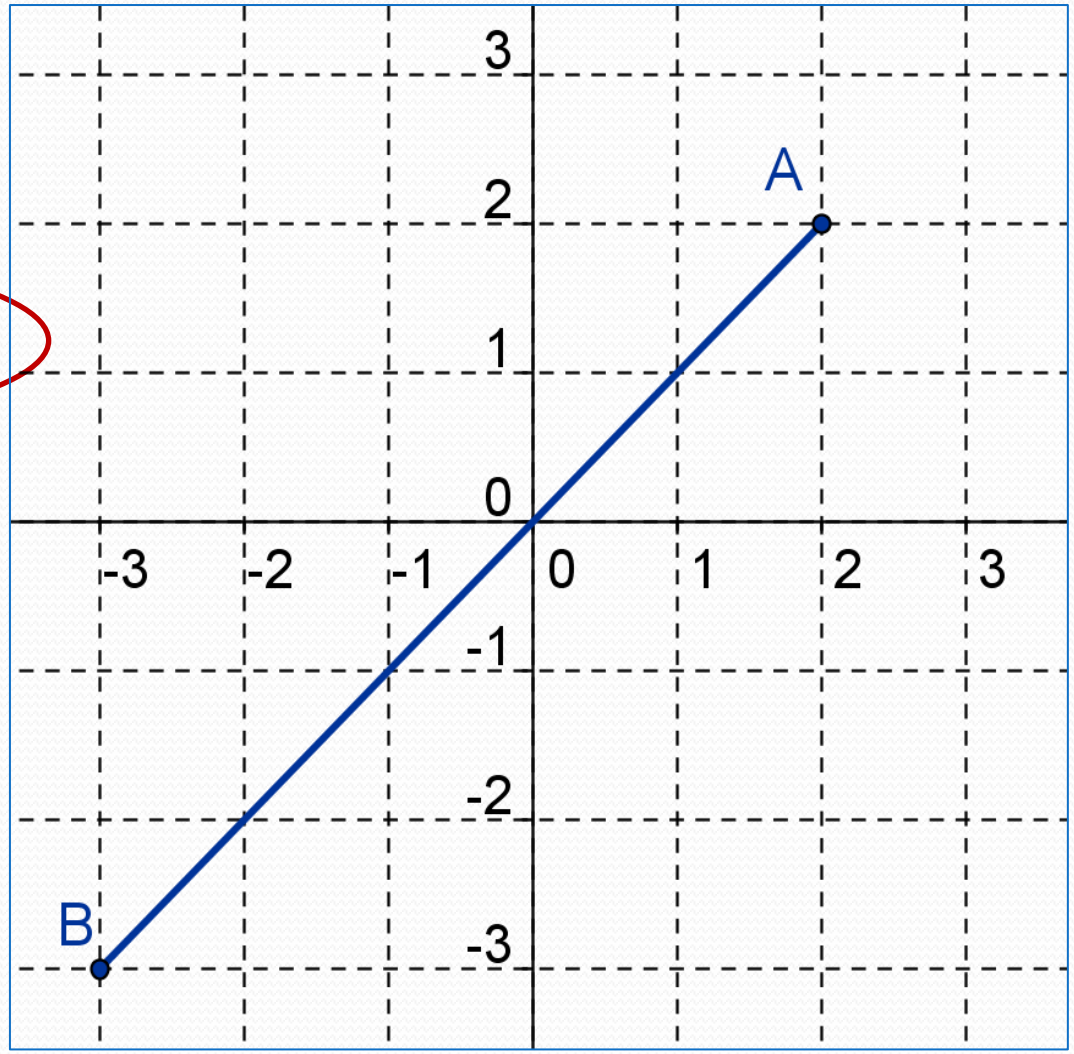
Q5

$$AB = \sqrt{9 + 9} = 3\sqrt{2}$$



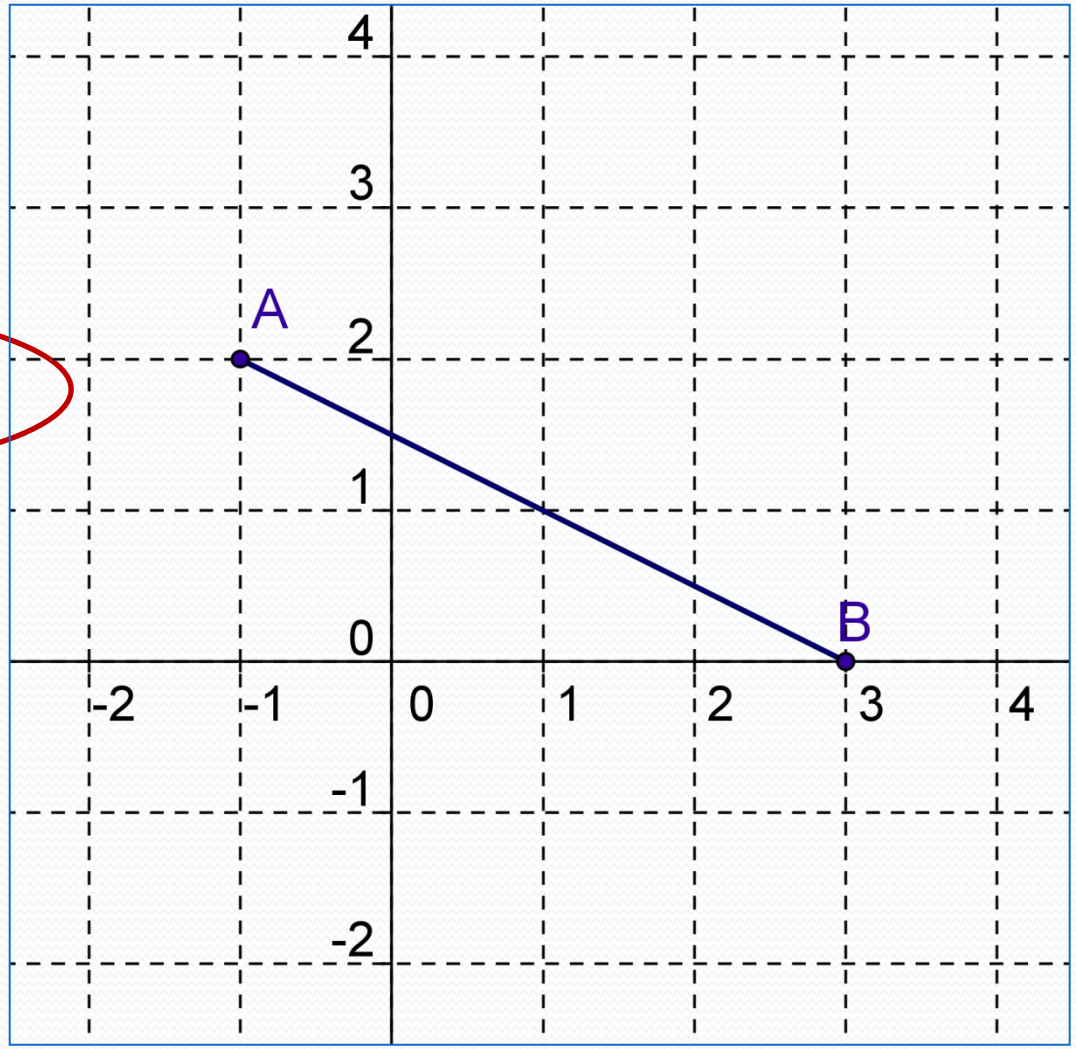
Q6

$$AB = \sqrt{25 + 25} = 5\sqrt{2}$$



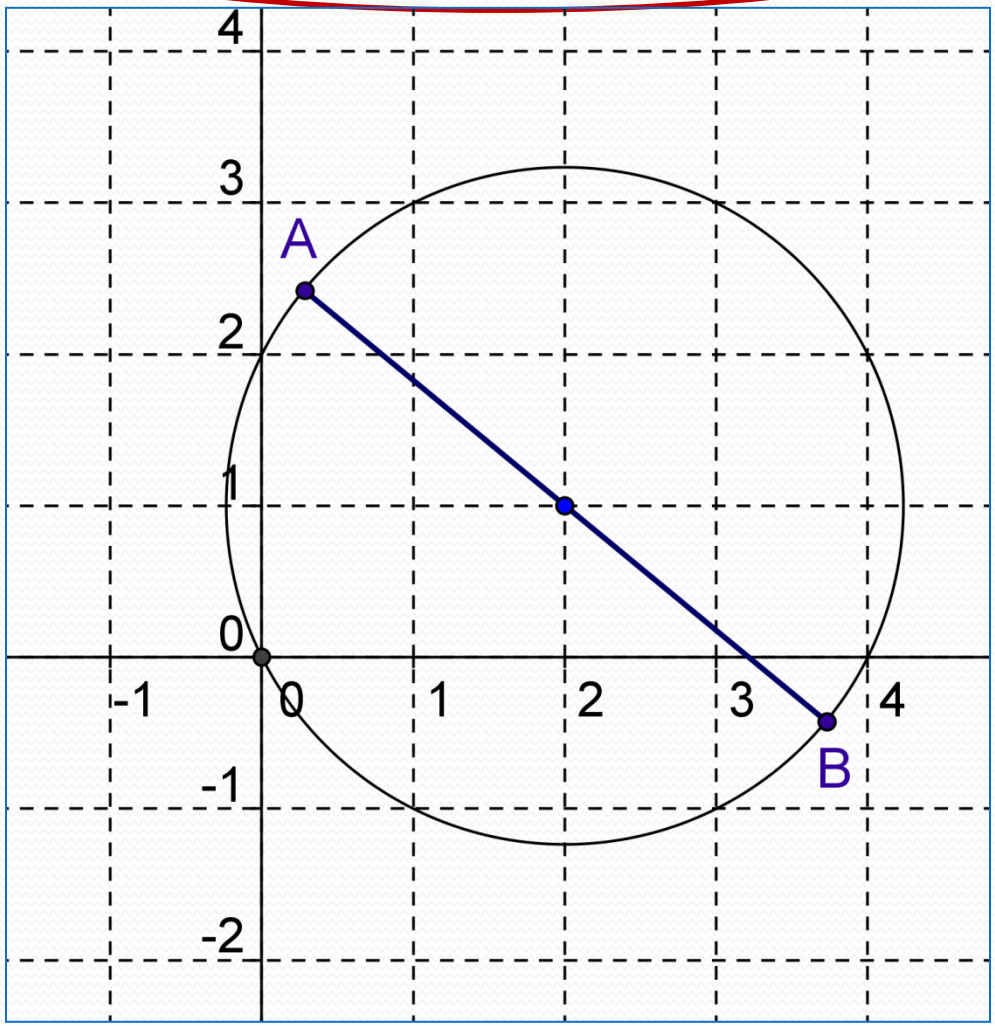
Q7

$AB = \sqrt{16 + 4} = 2\sqrt{5}$



Q8

$$AB = 2 \times R = 2\sqrt{4+1} = 2\sqrt{5}$$



Q9

A( 1 ; 3)  B( 4 ; 7 )

$$AB = \sqrt{9 + 16} = 5$$

Q10

A( 1 ; –3)  B( 4 ; –1 )

$$AB = \sqrt{9 + 4} = \sqrt{13}$$

*Fin*