

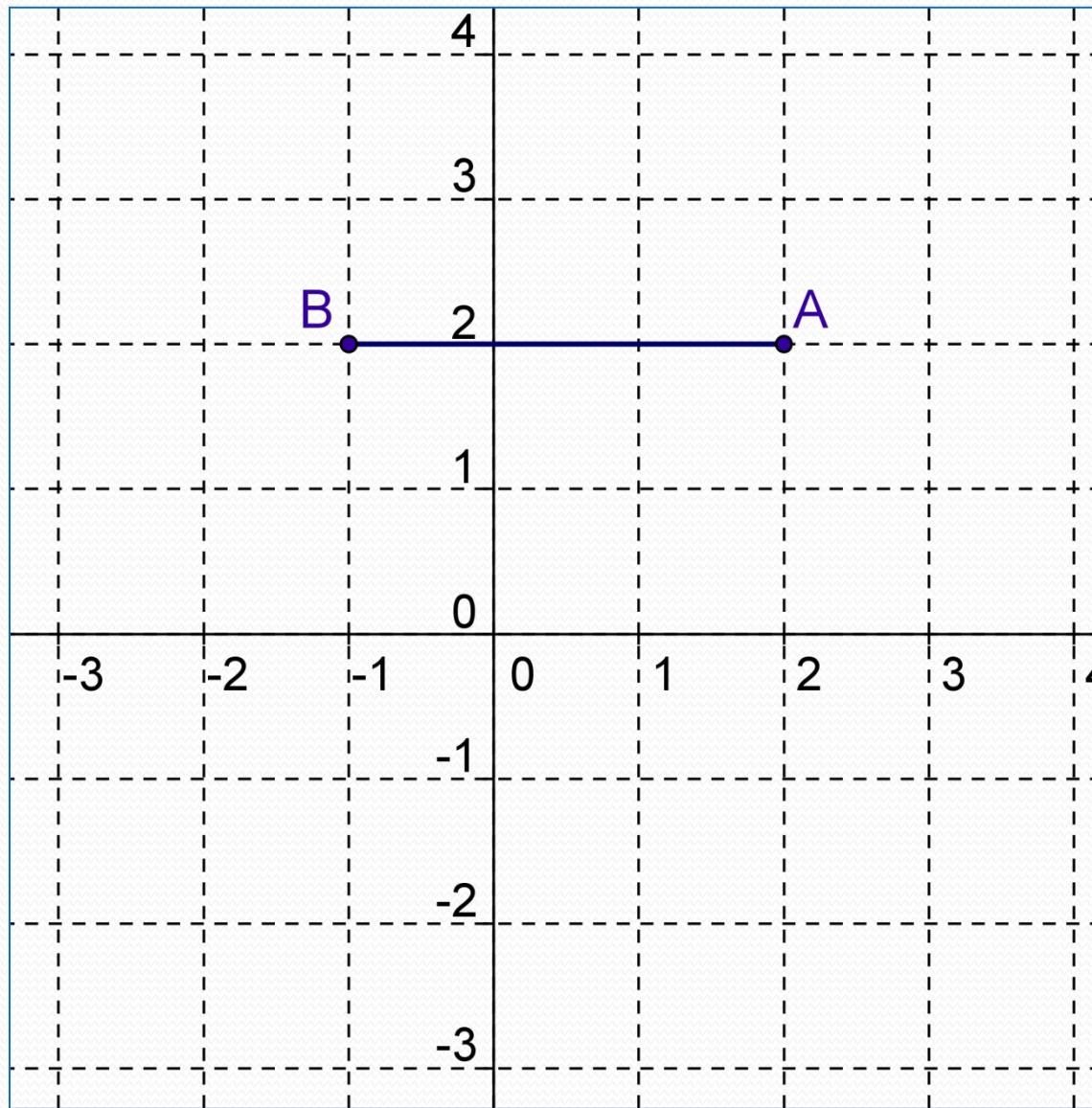
Coordonnées de points du plan

Série 3

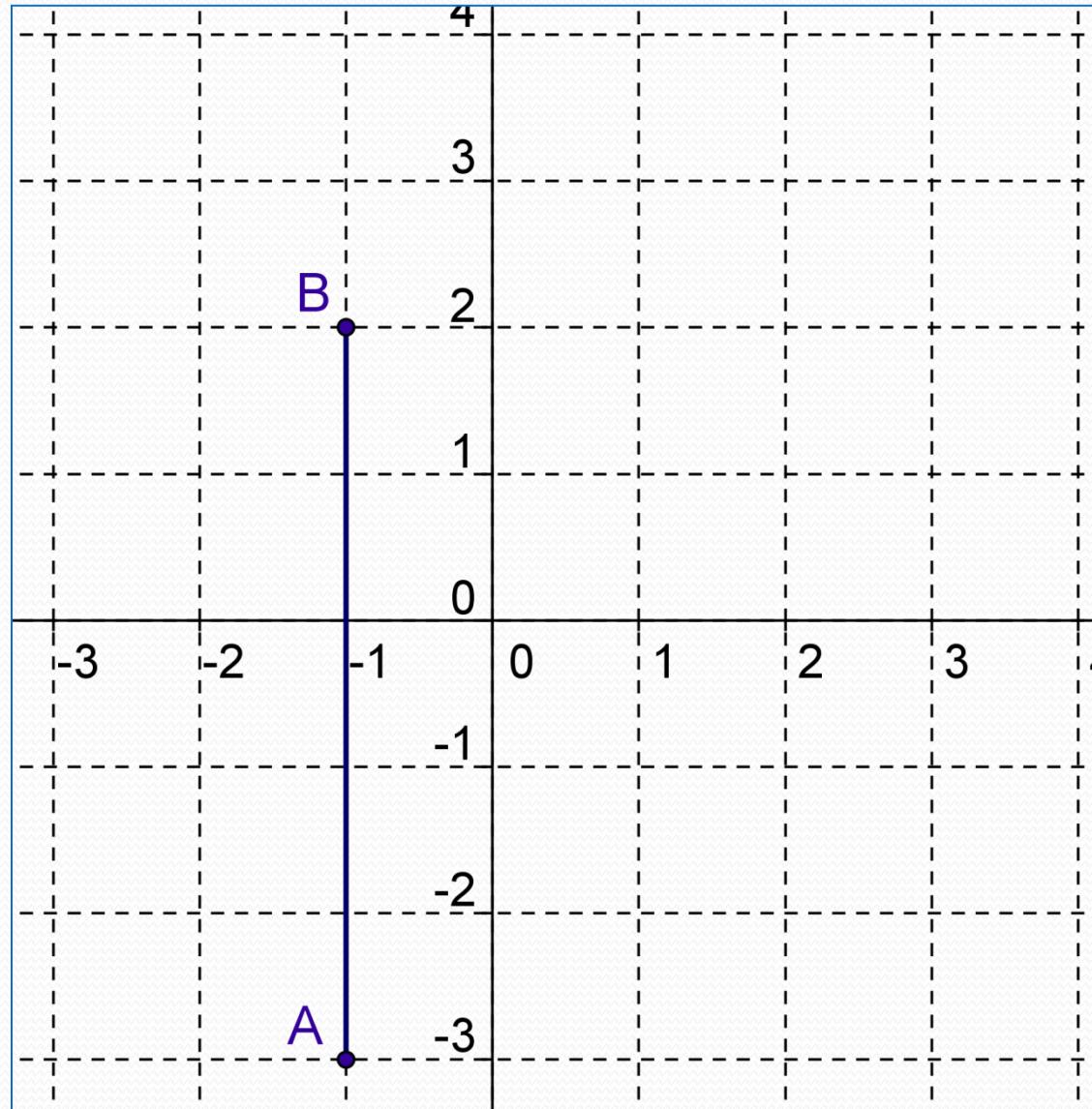
Calcul mental et automatismes – IREM de Clermont-Ferrand

Déterminer la distance AB.

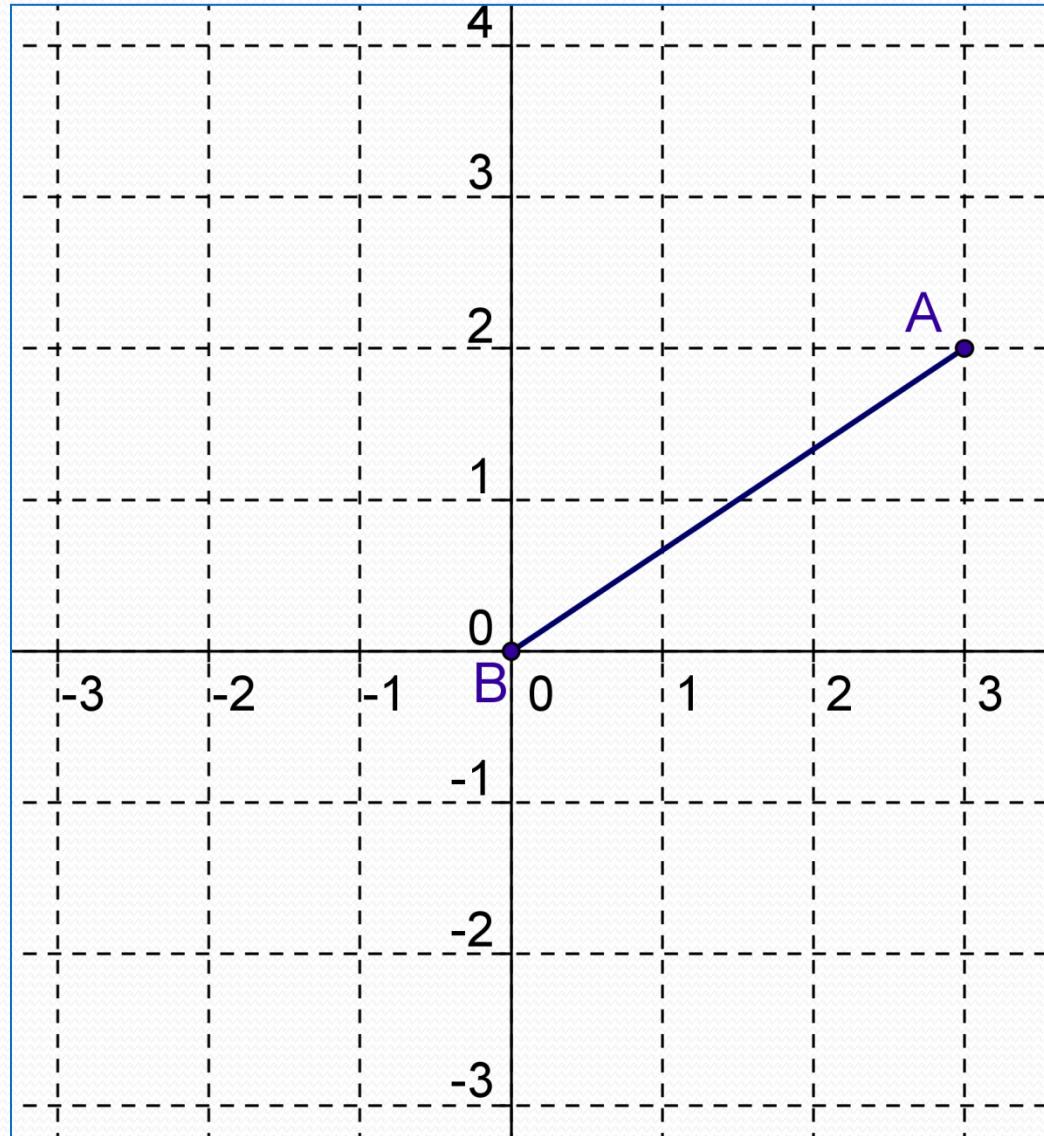
Q1



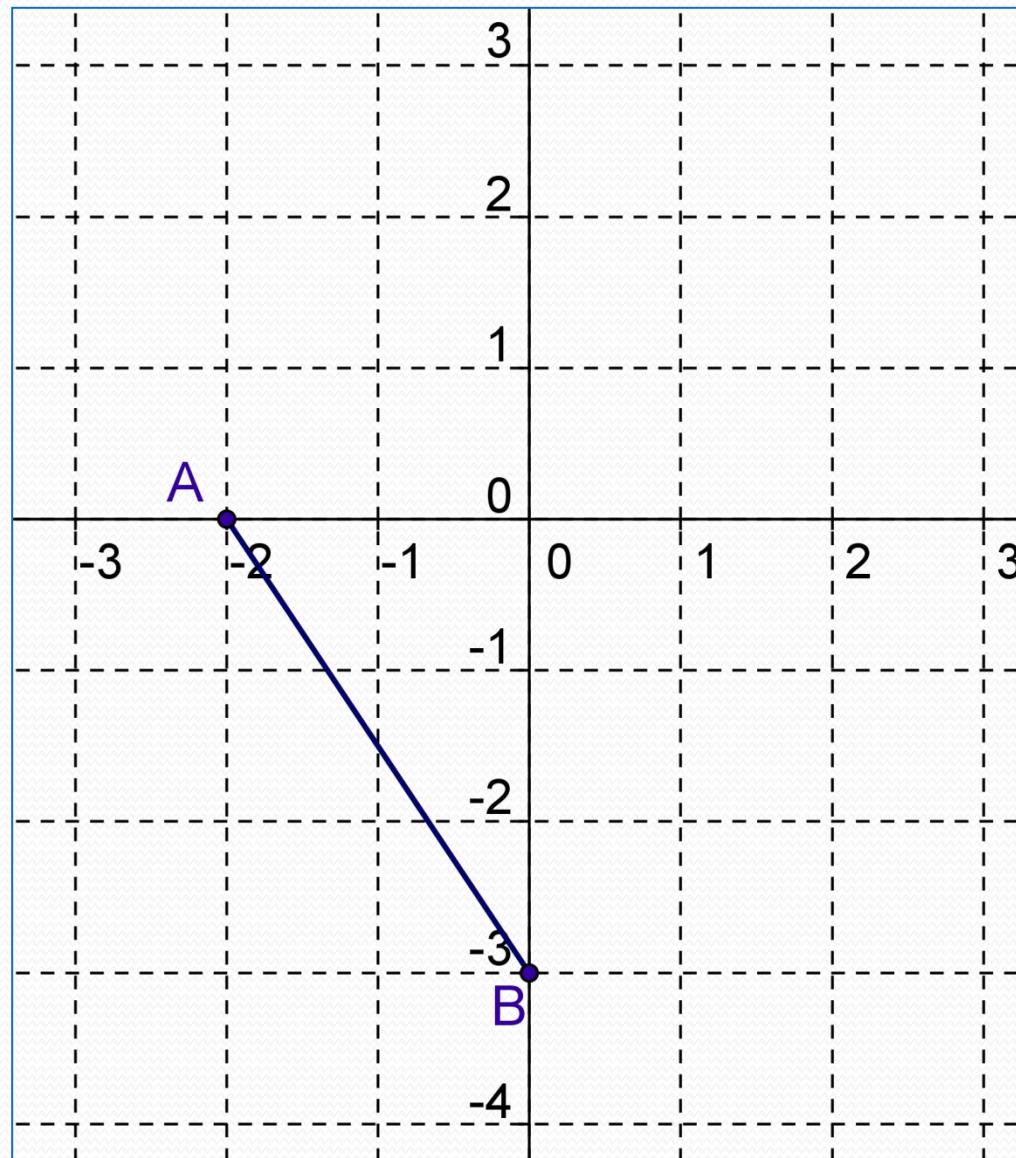
Q2



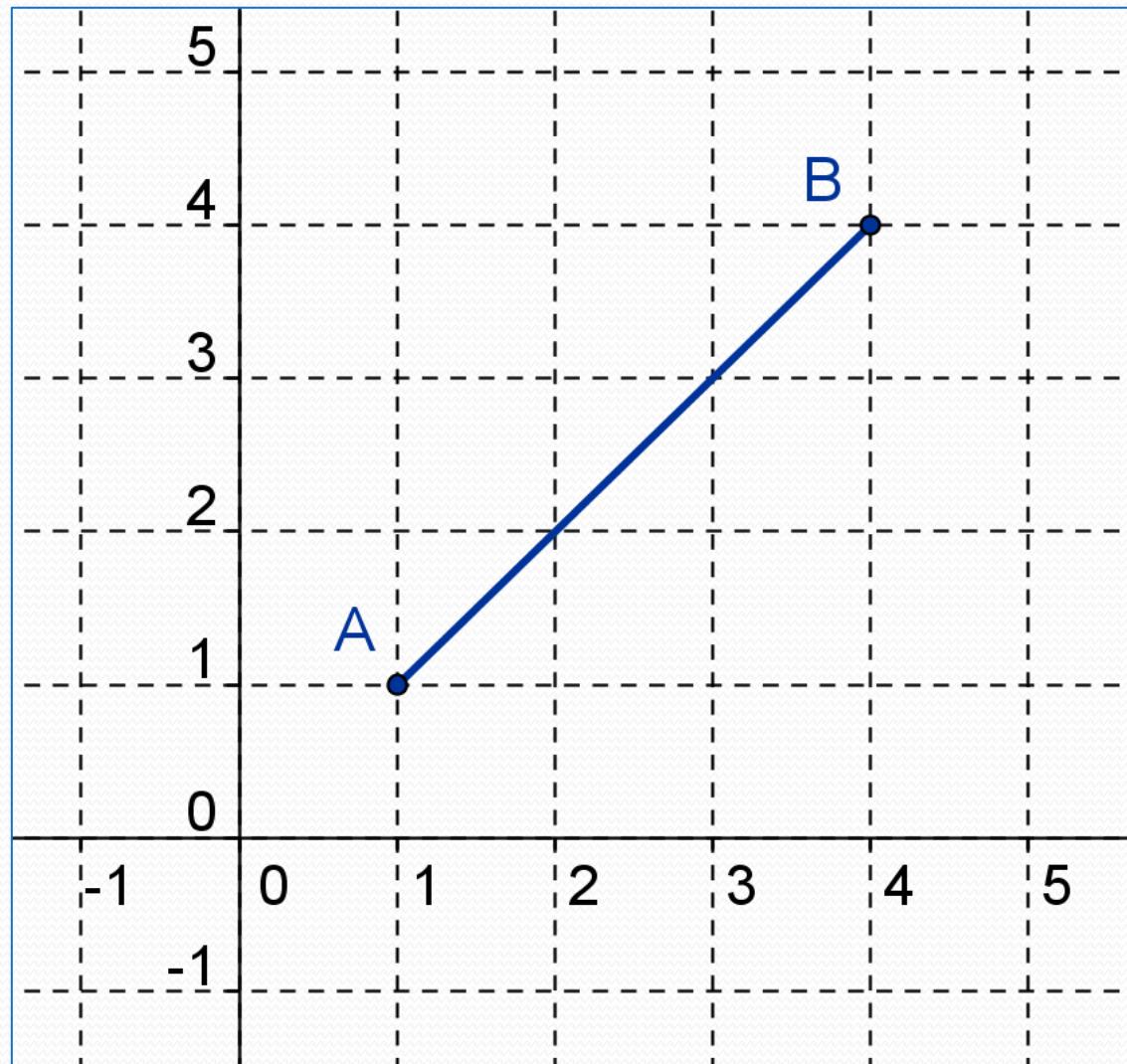
Q3



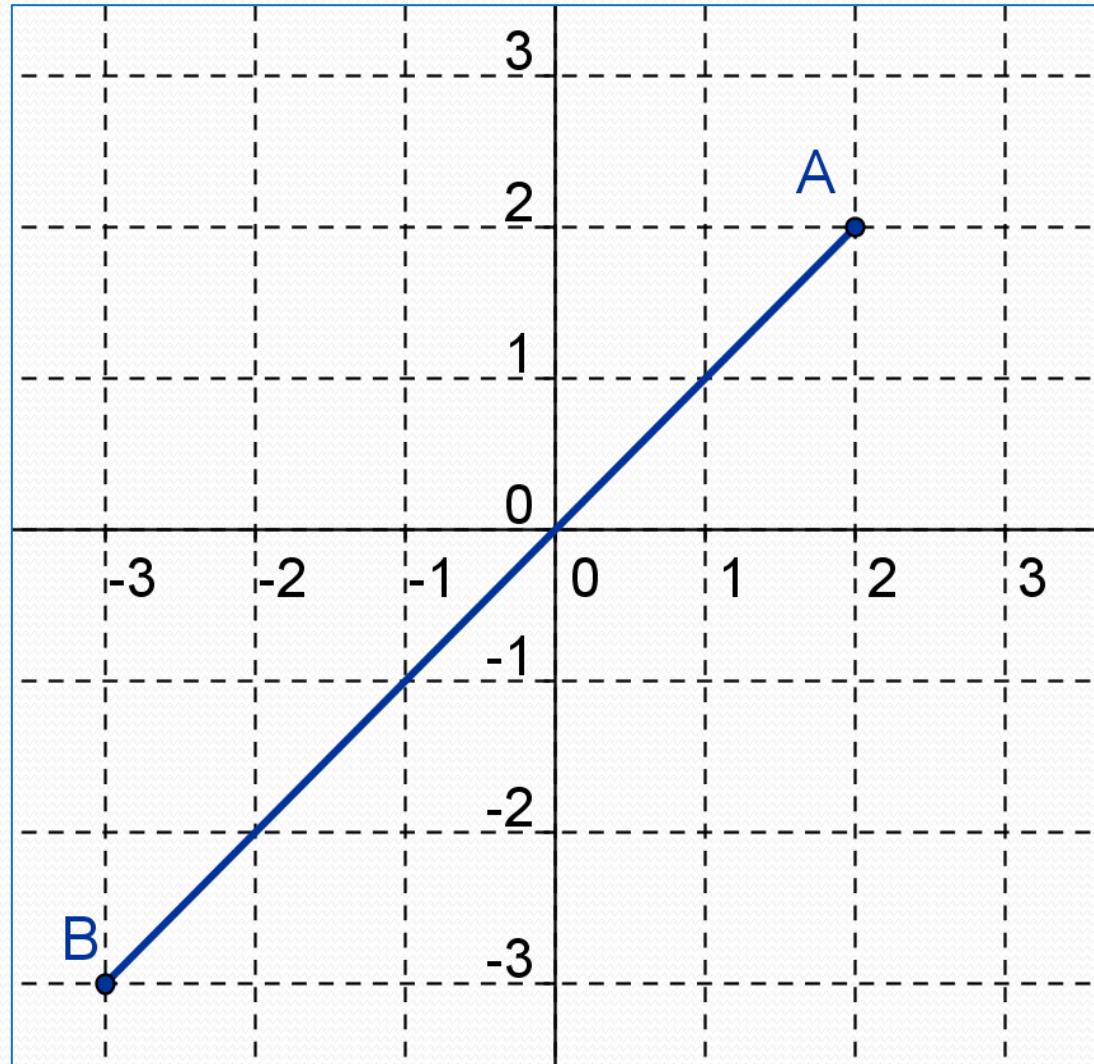
Q4



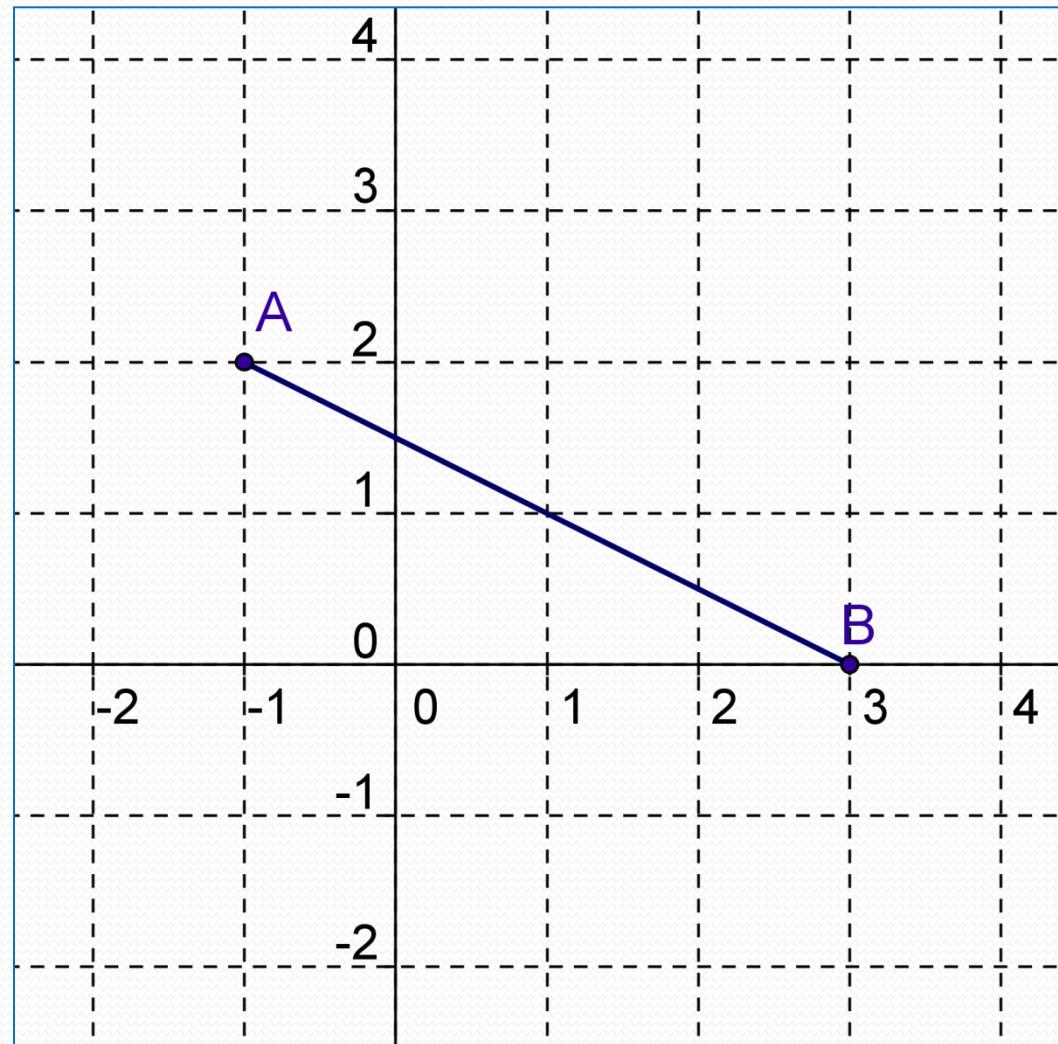
Q5



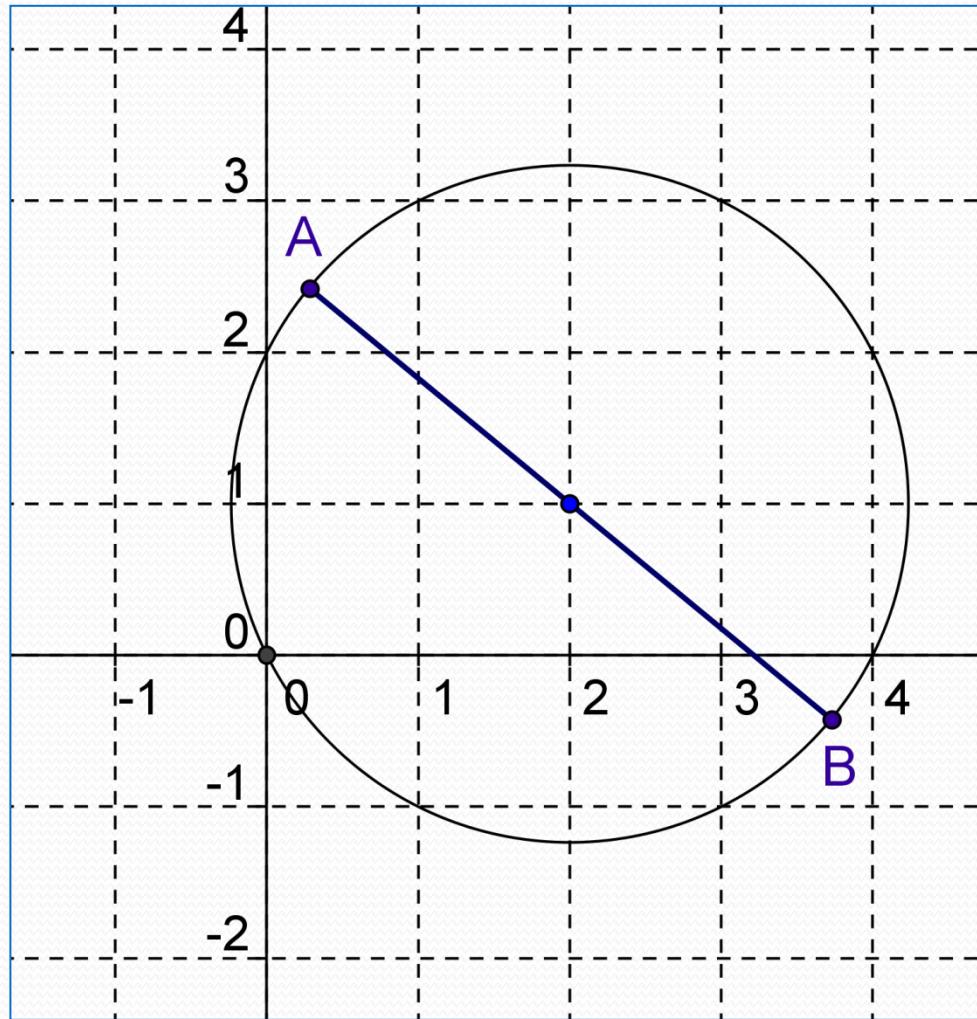
Q6



Q7



Q8



[AB] est un diamètre du cercle

Q9

A(1 ; 3)

B(4 ; 7)

Q10

A(1 ; -3)

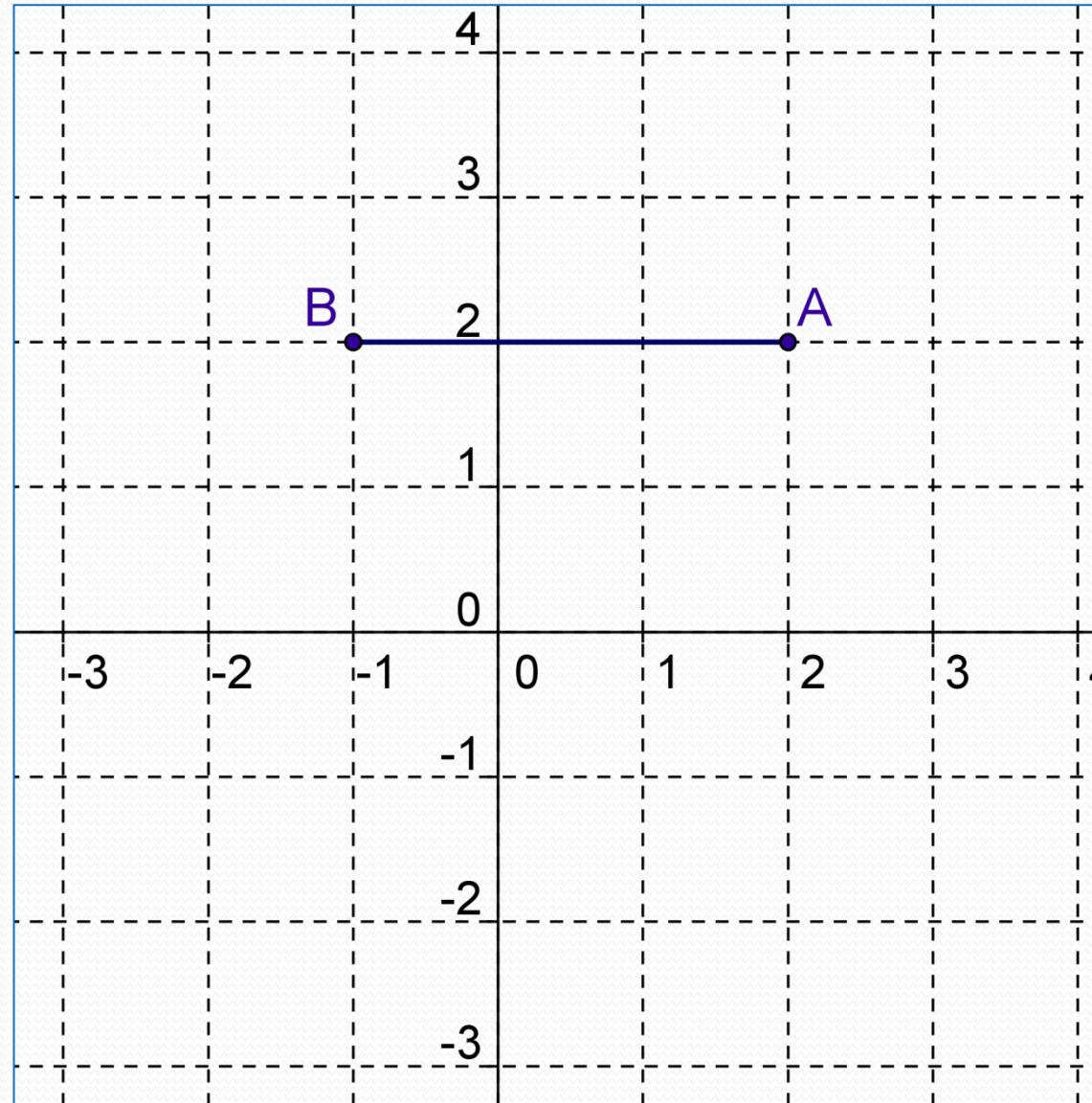
B(4 ; -1)



Correction

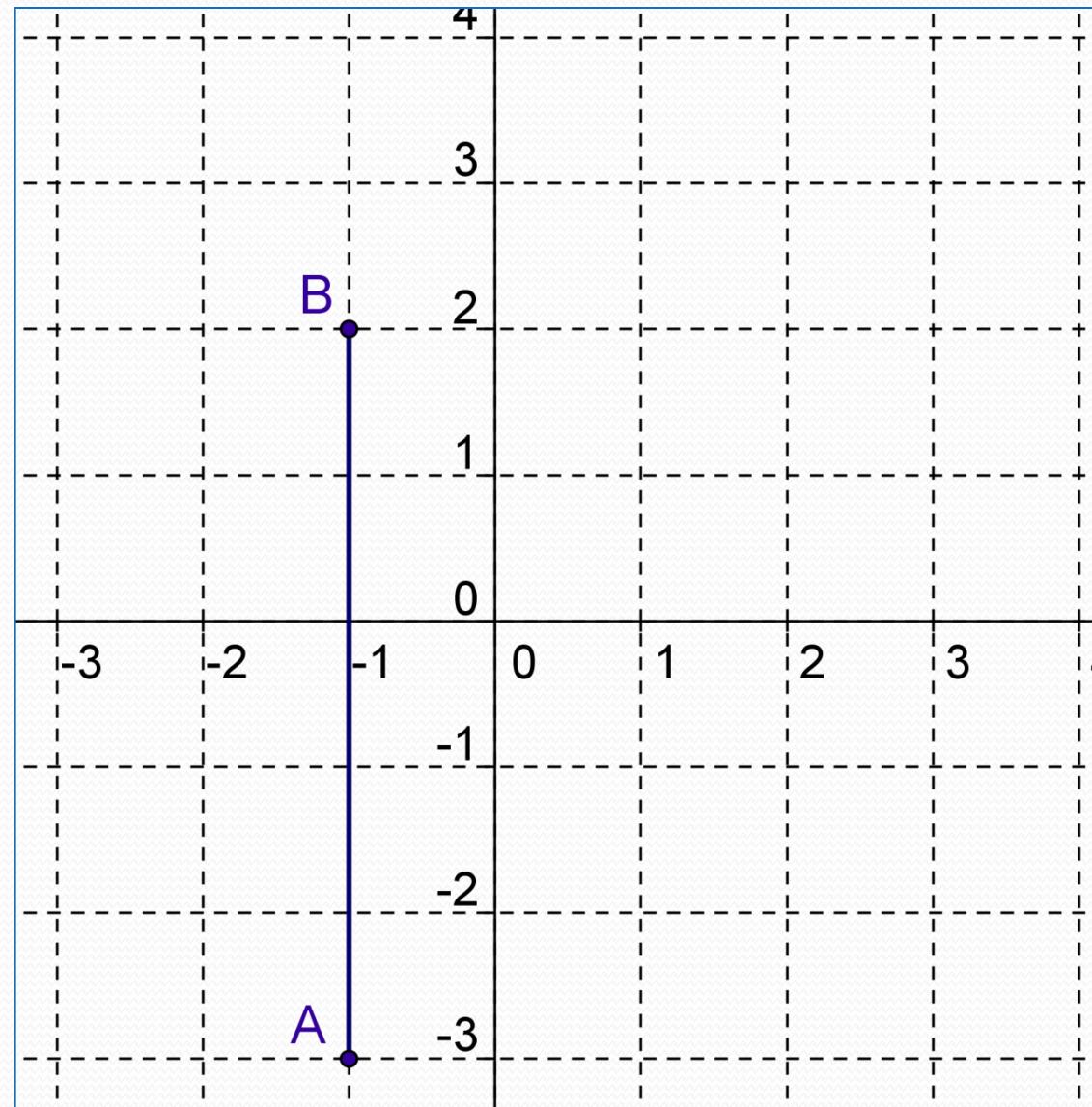
Q1

$$AB = 3$$



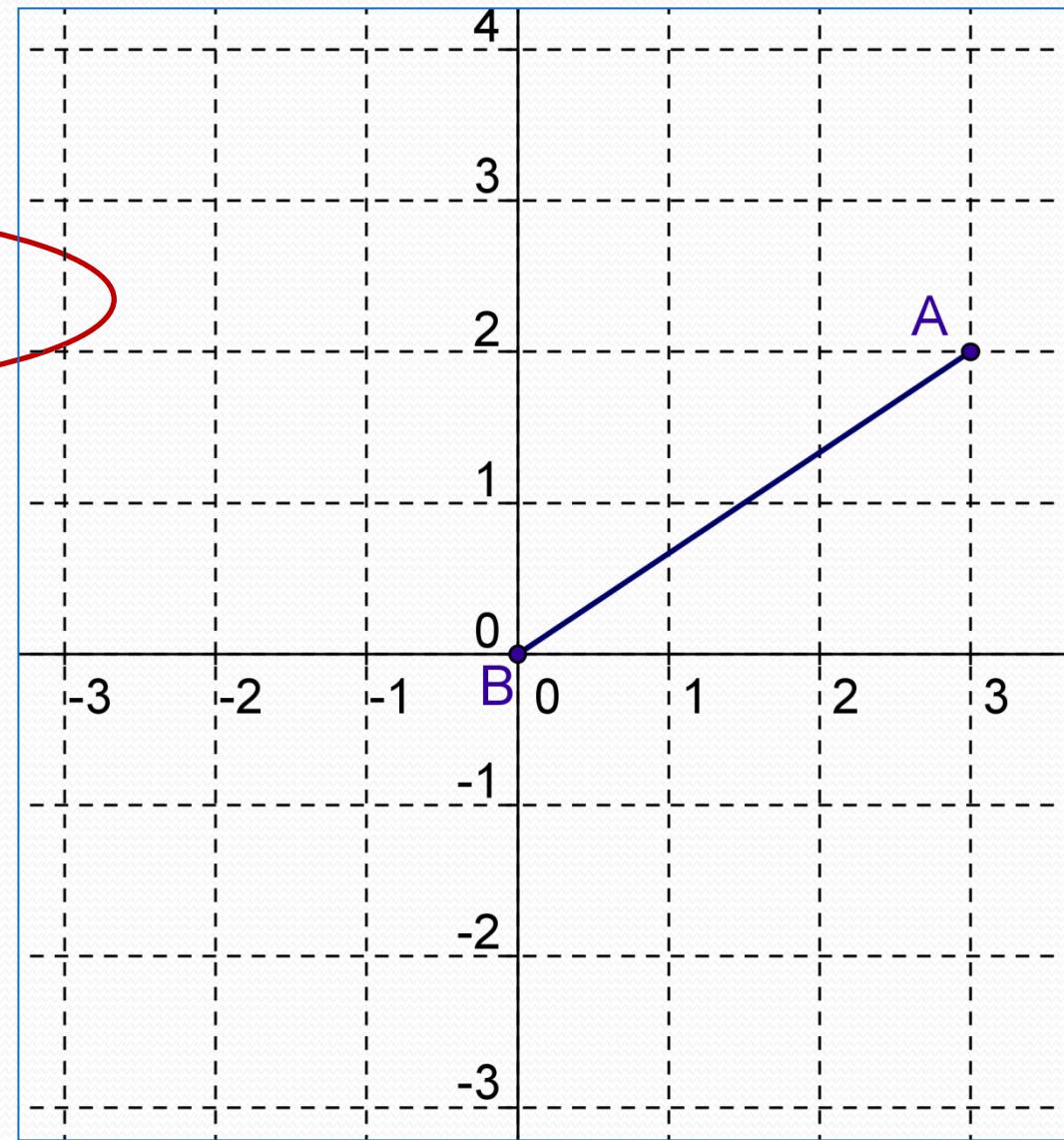
Q2

$$AB = 5$$



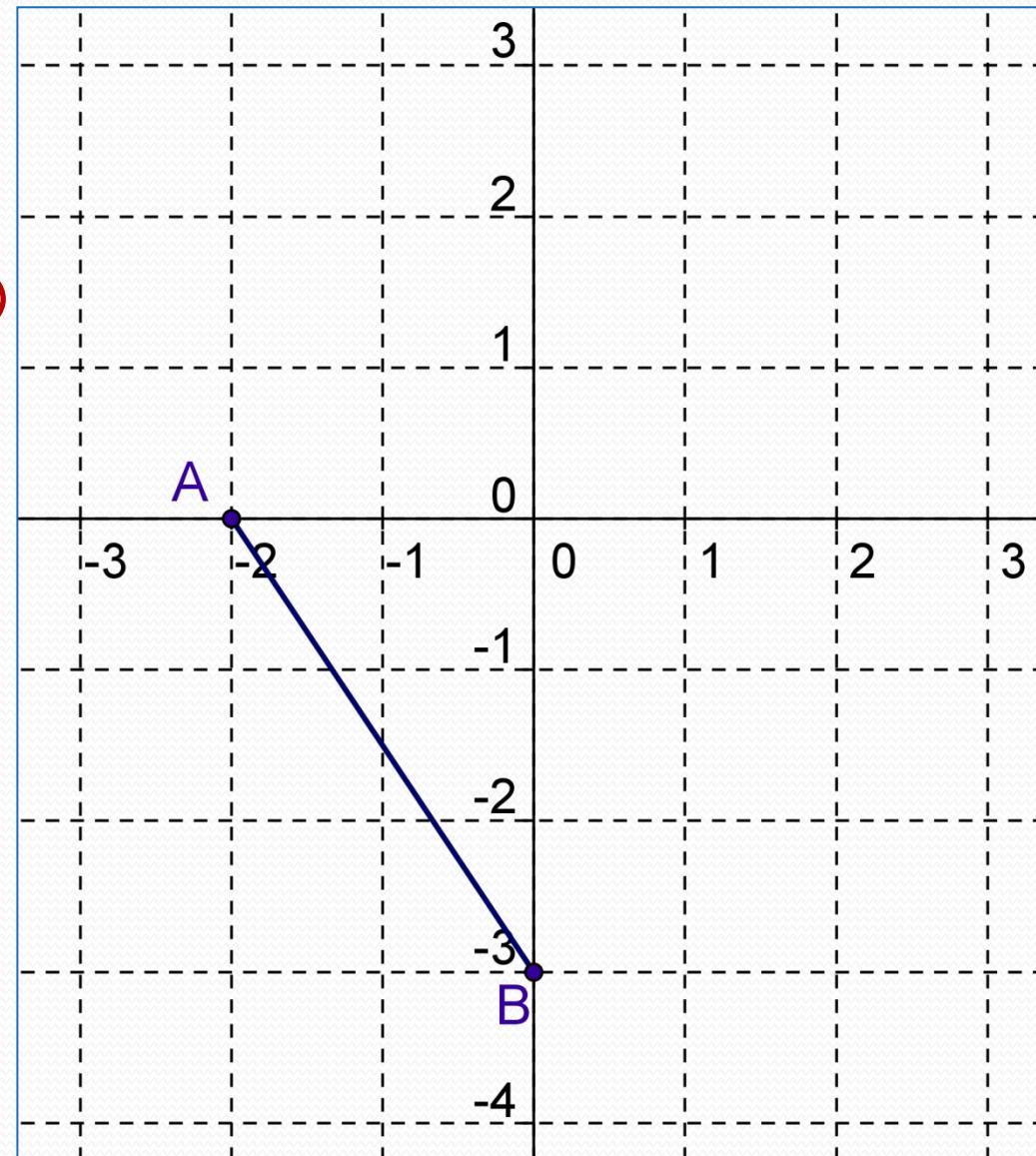
Q3

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



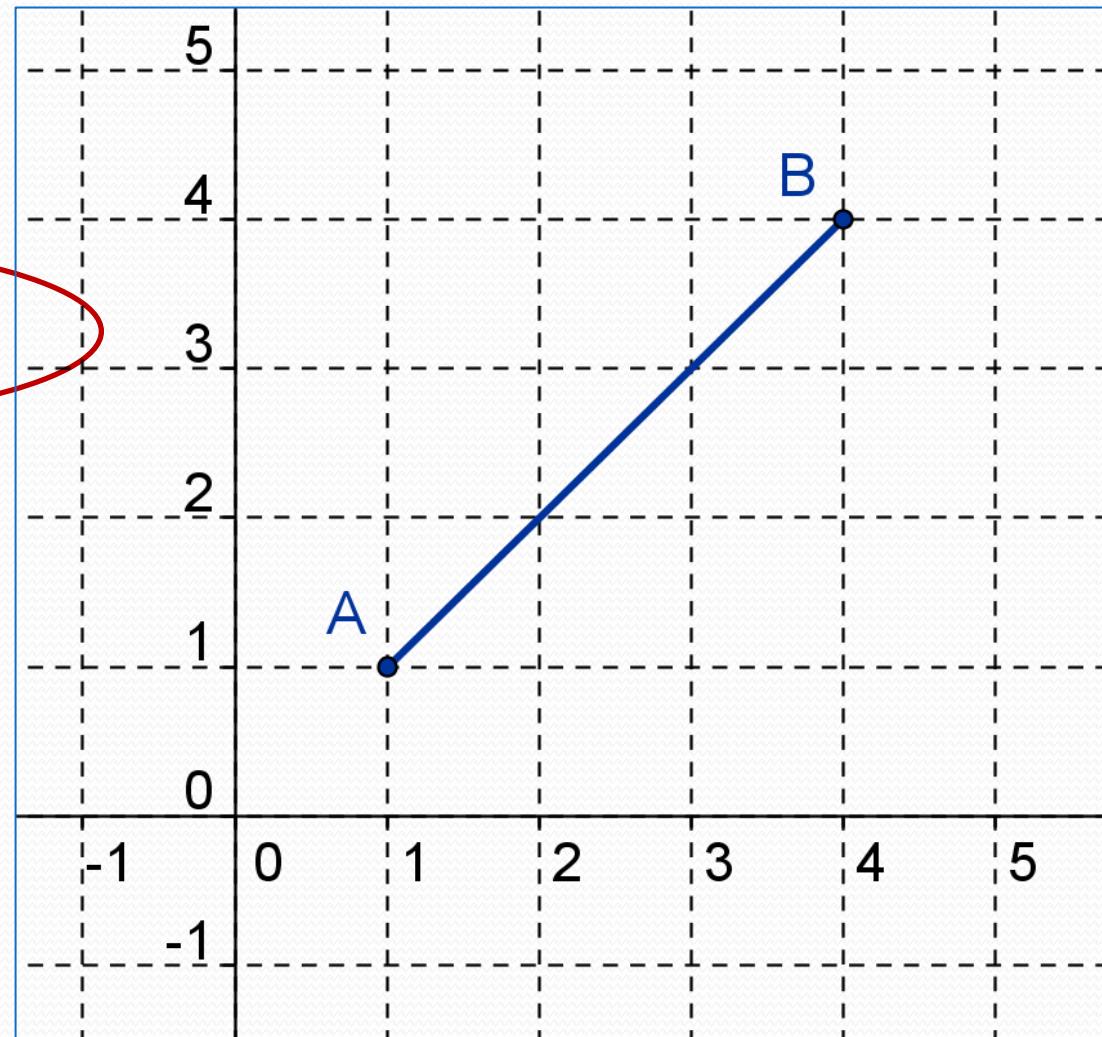
Q4

$$AB = \sqrt{13}$$



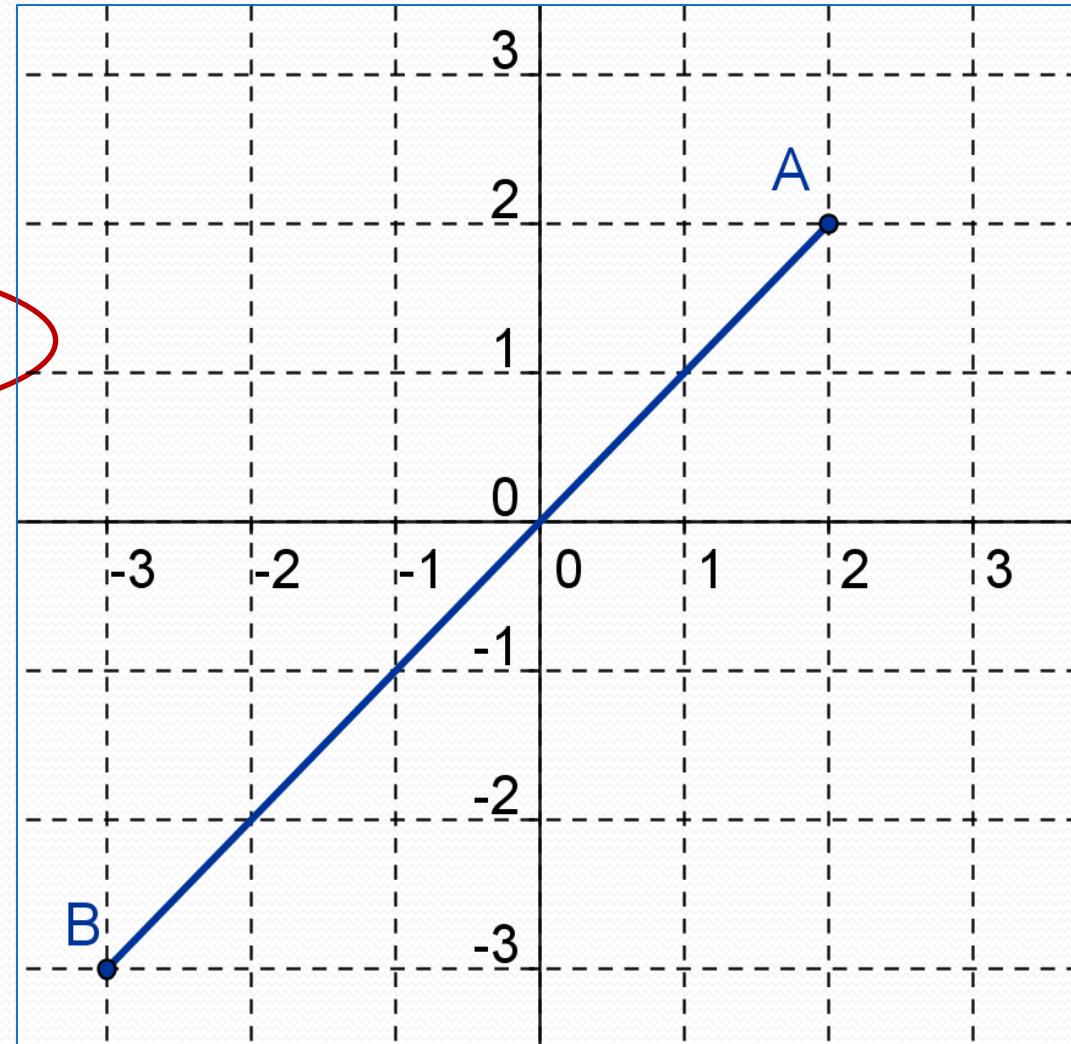
Q5

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



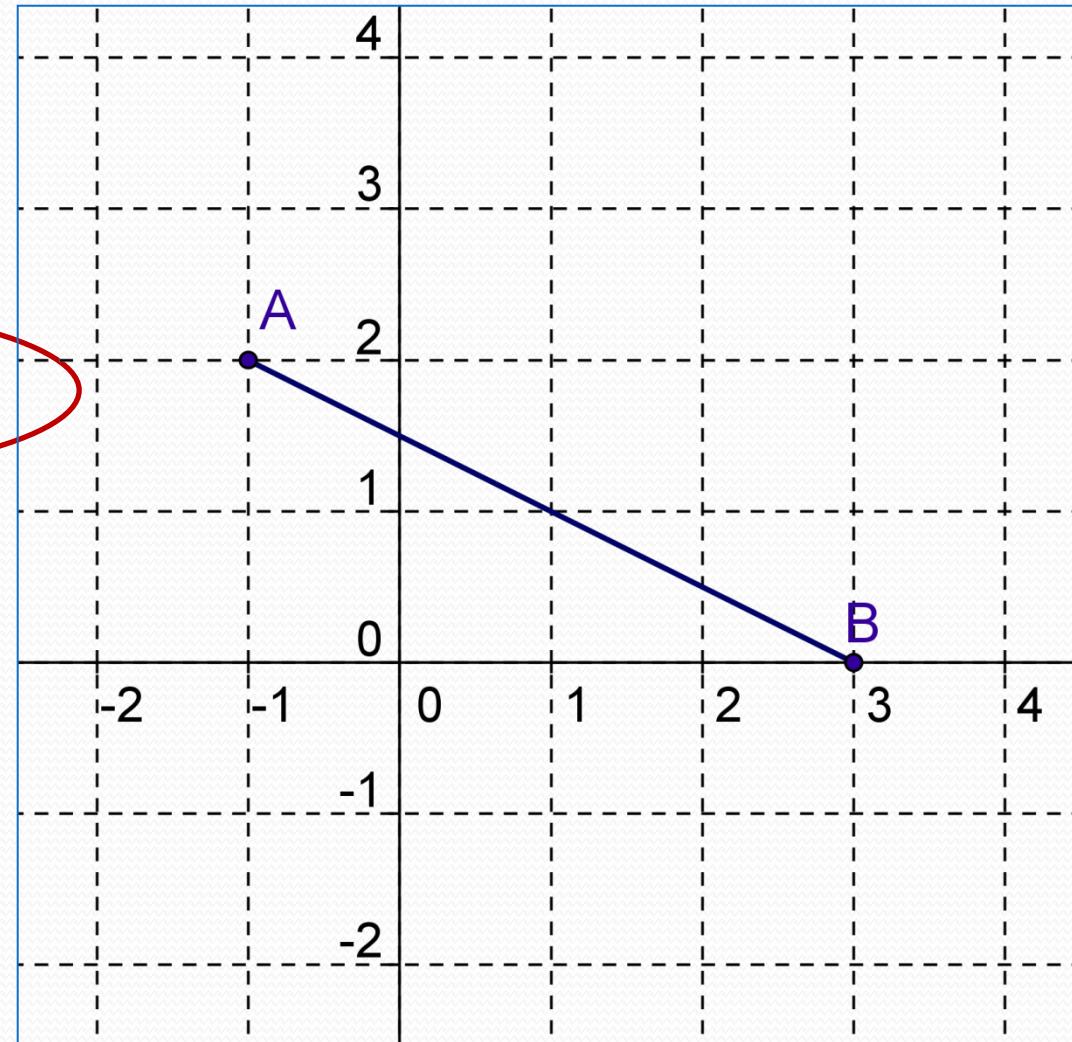
Q6

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



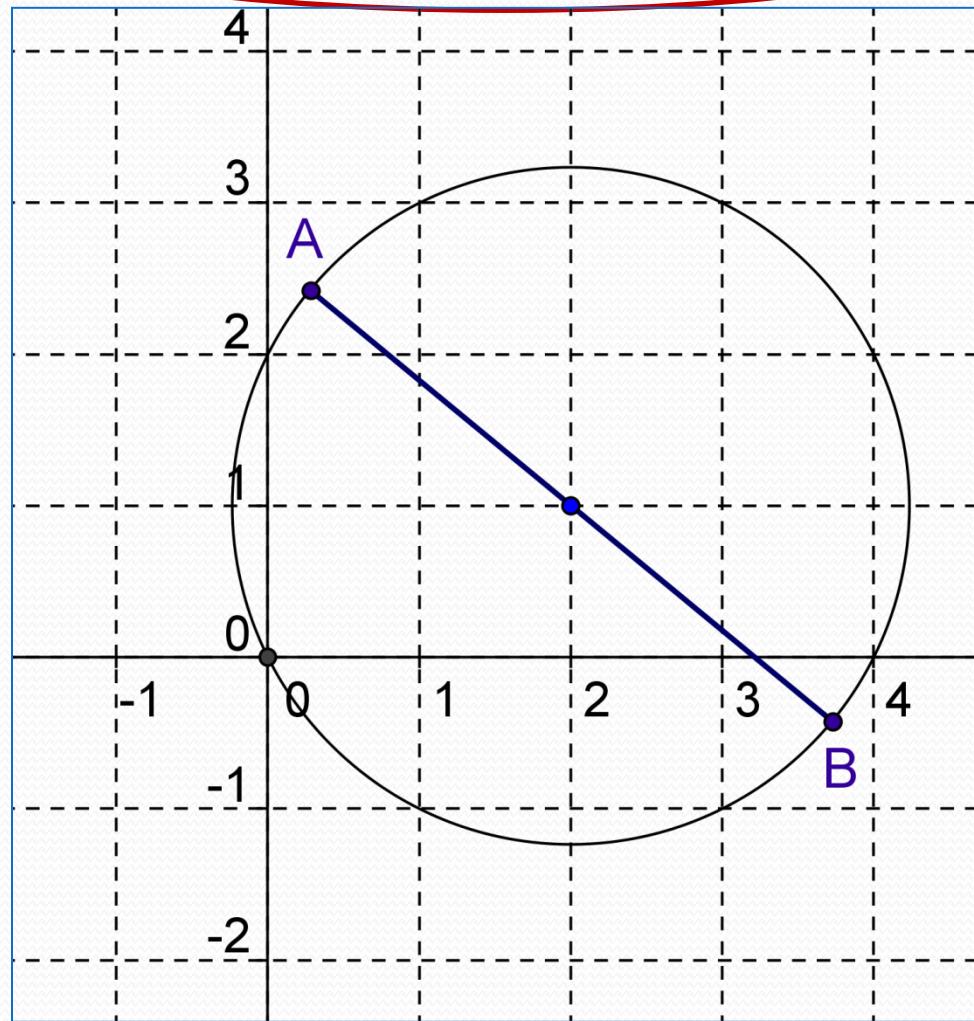
Q7

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



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

$$A(1 ; -3)$$

$$B(4 ; -1)$$

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

The background features a light gray surface with a subtle, repeating dot pattern. Overlaid on this are several thin, curved lines in various colors: a dark teal line at the top, followed by a white line, a light blue line, a cyan line, and a black line at the bottom. These lines create a sense of depth and motion.

Fin