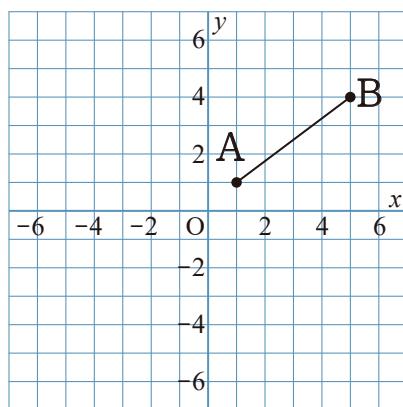
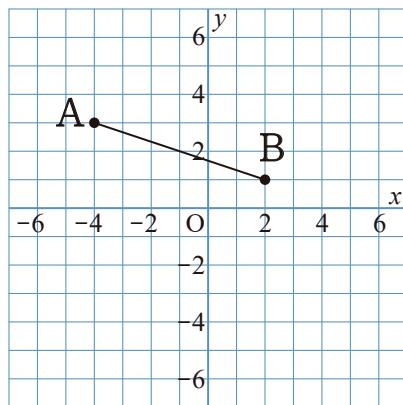


1 次の2点A, B間の距離を求めなさい。

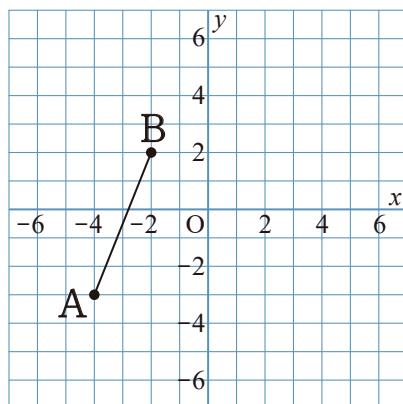
① A(1, 1), B(5, 4)



② A(-4, 3), B(2, 1)



③ A(-4, -3), B(-2, 2)

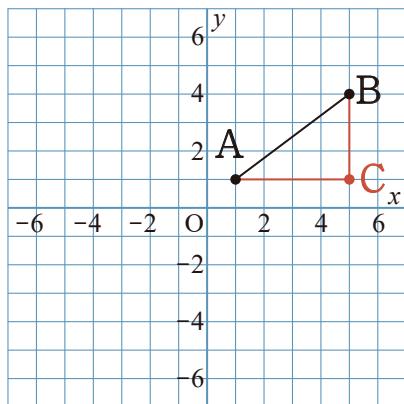


1

次の2点A, B間の距離を求めなさい。

① A(1, 1), B(5, 4)

5



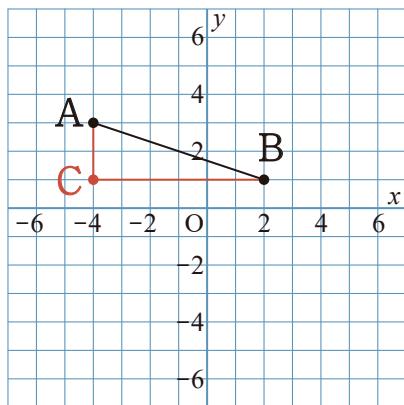
$$AC = 5 - 1 = 4$$

$$BC = 4 - 1 = 3$$

$$\begin{aligned} AB^2 &= AC^2 + BC^2 \\ &= 4^2 + 3^2 \\ &= 25 \end{aligned}$$

 $AB > 0$ だから、 $AB = 5$ 

② A(-4, 3), B(2, 1)

 $2\sqrt{10}$ 

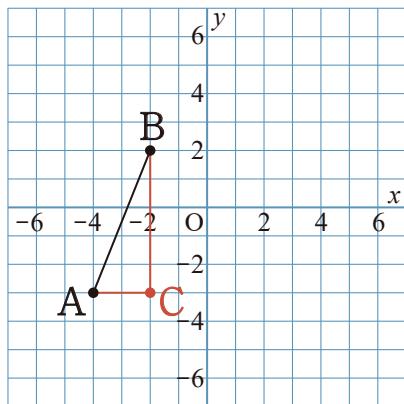
$$AC = 3 - 1 = 2$$

$$BC = 2 - (-4) = 6$$

$$\begin{aligned} AB^2 &= AC^2 + BC^2 \\ &= 2^2 + 6^2 \\ &= 40 \end{aligned}$$

 $AB > 0$ だから、 $AB = 2\sqrt{10}$ 

③ A(-4, -3), B(-2, 2)

 $\sqrt{29}$ 

$$AC = -2 - (-4) = 2$$

$$BC = 2 - (-3) = 5$$

$$\begin{aligned} AB^2 &= AC^2 + BC^2 \\ &= 2^2 + 5^2 \\ &= 29 \end{aligned}$$

 $AB > 0$ だから、 $AB = \sqrt{29}$