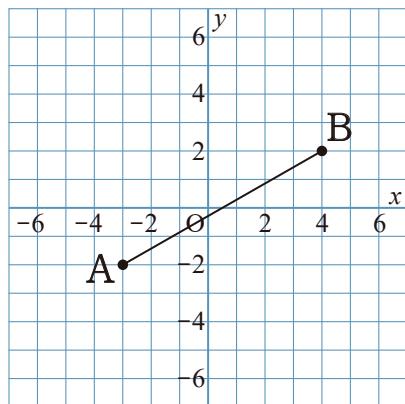
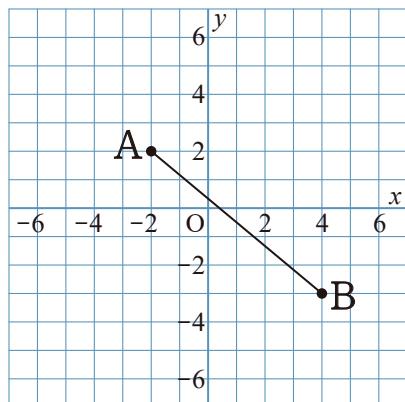


1 次の2点A, B間の距離を求めなさい。

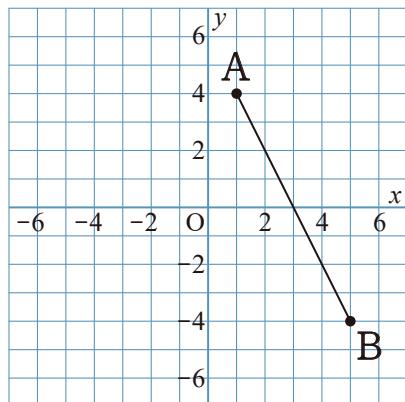
① A(-3, -2), B(4, 2)



② A(-2, 2), B(4, -3)



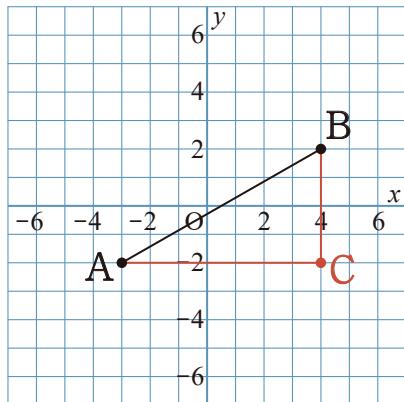
③ A(1, 4), B(5, -4)



1 次の2点A, B間の距離を求めなさい。

① A(-3, -2), B(4, 2)

$\sqrt{65}$



$AC = 4 - (-3) = 7$

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

$AB^2 = AC^2 + BC^2$

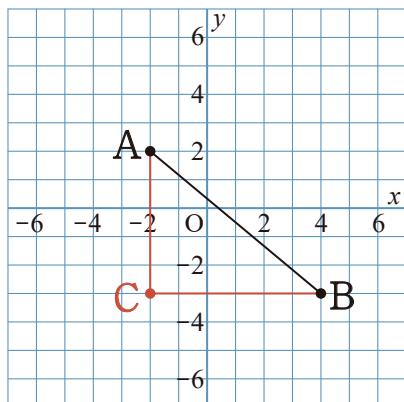
$= 7^2 + 4^2$

$= 65$

$AB > 0 \text{ だから、} AB = \sqrt{65}$

② A(-2, 2), B(4, -3)

$\sqrt{61}$



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

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

$AB^2 = AC^2 + BC^2$

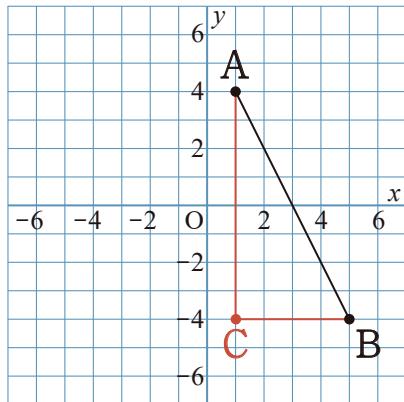
$= 5^2 + 6^2$

$= 61$

$AB > 0 \text{ だから、} AB = \sqrt{61}$

③ A(1, 4), B(5, -4)

$4\sqrt{5}$



$AC = 4 - (-4) = 8$

$BC = 5 - 1 = 4$

$AB^2 = AC^2 + BC^2$

$= 8^2 + 4^2$

$= 80$

$AB > 0 \text{ だから、} AB = 4\sqrt{5}$