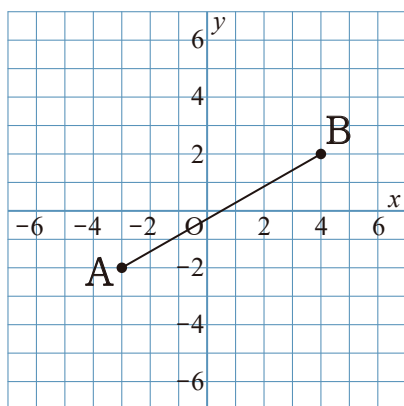
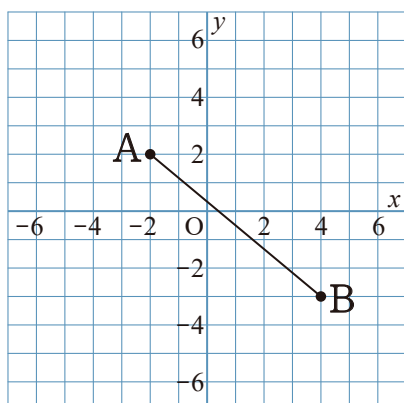


1 次の2点A, B間の距離を求めなさい。

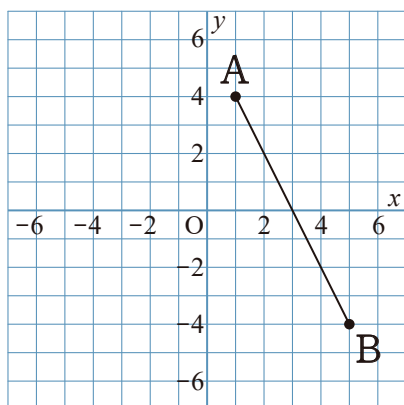
① $A(-3, -2)$, $B(4, 2)$



② $A(-2, 2)$, $B(4, -3)$

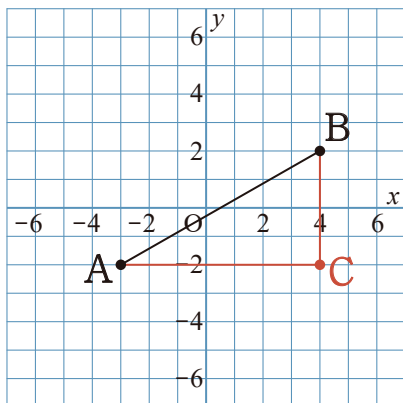


③ $A(1, 4)$, $B(5, -4)$



1 次の2点A, B間の距離を求めなさい。

① $A(-3, -2)$, $B(4, 2)$



$$\sqrt{65}$$

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

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

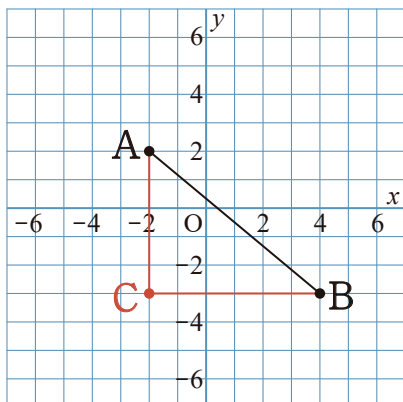
$$AB^2 = AC^2 + BC^2$$

$$= 7^2 + 4^2$$

$$= 65$$

$$AB > 0 \text{ だから、} AB = \sqrt{65}$$

② $A(-2, 2)$, $B(4, -3)$



$$\sqrt{61}$$

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

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

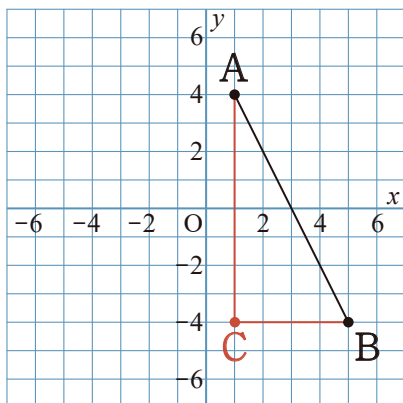
$$AB^2 = AC^2 + BC^2$$

$$= 5^2 + 6^2$$

$$= 61$$

$$AB > 0 \text{ だから、} AB = \sqrt{61}$$

③ $A(1, 4)$, $B(5, -4)$



$$4\sqrt{5}$$

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

$$BC = 5 - 1 = 4$$

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

$$= 8^2 + 4^2$$

$$= 80$$

$$AB > 0 \text{ だから、} AB = 4\sqrt{5}$$