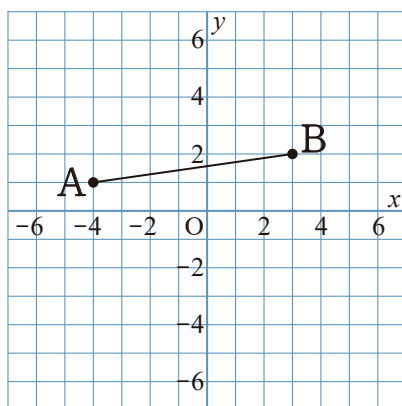
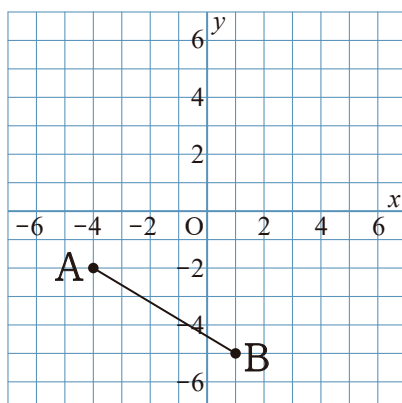


1 次の2点A, B間の距離を求めなさい。

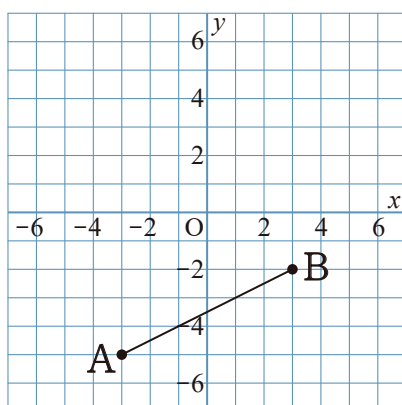
① $A(-4, 1)$, $B(3, 2)$



② $A(-4, -2)$, $B(1, -5)$

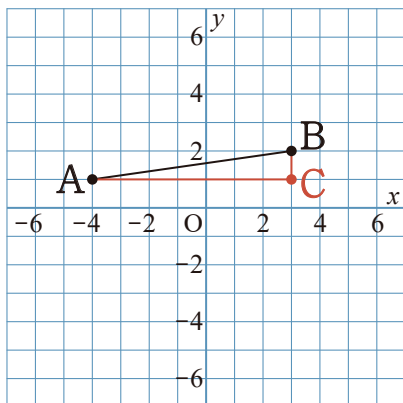


③ $A(-3, -5)$, $B(3, -2)$



1 次の2点A, B間の距離を求めなさい。

① $A(-4, 1), B(3, 2)$



$$5\sqrt{2}$$

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

$$BC = 2 - 1 = 1$$

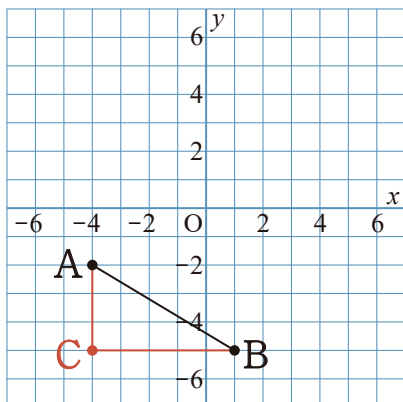
$$AB^2 = AC^2 + BC^2$$

$$= 7^2 + 1^2$$

$$= 50$$

$$AB > 0 \text{ だから、} AB = 5\sqrt{2}$$

② $A(-4, -2), B(1, -5)$



$$\sqrt{34}$$

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

$$BC = 1 - (-4) = 5$$

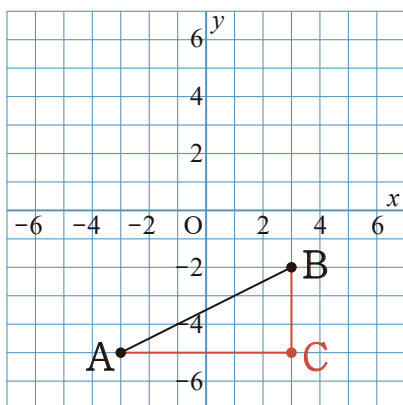
$$AB^2 = AC^2 + BC^2$$

$$= 3^2 + 5^2$$

$$= 34$$

$$AB > 0 \text{ だから、} AB = \sqrt{34}$$

③ $A(-3, -5), B(3, -2)$



$$3\sqrt{5}$$

$$AC = 3 - (-3) = 6$$

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

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

$$= 6^2 + 3^2$$

$$= 45$$

$$AB > 0 \text{ だから、} AB = 3\sqrt{5}$$