

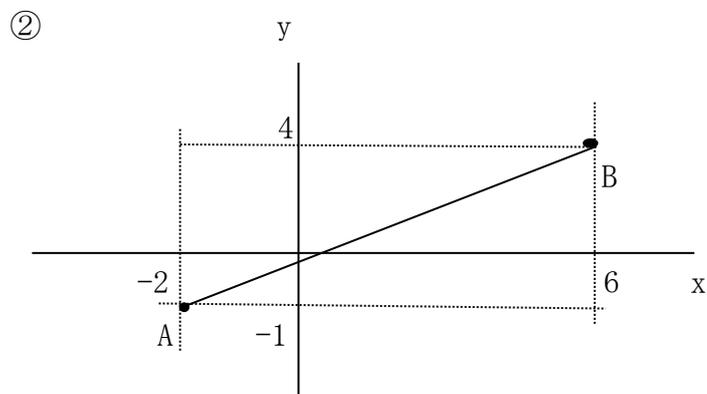
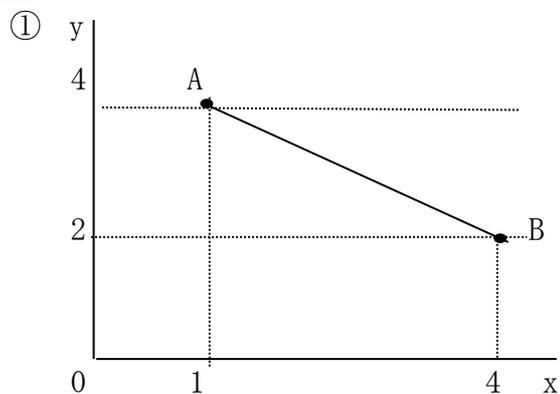
座標平面上の長さ1

NO 1

名前

/6 点

1 2点間ABの座標の長さを求めなさい。



2 次の座標を持つ2点間の距離を求めなさい。

(1) $A(3, 3), B(5, 7)$

(2) $A(2, -3), B(5, -7)$

(3) $O(0, 0), A(10, -1)$

(4) $A(-2, -5), B(3, 5)$

解答

1

$$\textcircled{1} \quad AB^2 = 3^2 + 2^2 = 13$$
$$AB = \sqrt{13}$$

$$\textcircled{2} \quad AB^2 = 8^2 + 5^2 = 89$$
$$AB = \sqrt{89}$$

2

$$(1) \quad AB^2 = 2^2 + 4^2 = 20$$
$$AB = \sqrt{20} = 2\sqrt{5}$$

$$(2) \quad AB^2 = 3^2 + 4^2 = 25$$
$$AB = \sqrt{25} = 5$$

$$(3) \quad AB^2 = 10^2 + 1^2 = 101$$
$$AB = \sqrt{101}$$

$$(4) \quad AB^2 = 5^2 + 10^2 = 125$$
$$AB = \sqrt{125} = 5\sqrt{5}$$