





# 解答

問題 1.

$$(1) \vec{a} = (4, 3), |\vec{a}| = 5 \quad \vec{b} = (-2, -3), |\vec{b}| = \sqrt{13} \quad \vec{c} = (4, -4), |\vec{c}| = 4\sqrt{2}$$

$$\vec{d} = (0, -5), |\vec{d}| = 5$$

$$(2) \vec{a} = (1, -4), |\vec{a}| = \sqrt{17} \quad \vec{b} = (-3, -4), |\vec{b}| = 5 \quad \vec{c} = (-4, 2), |\vec{c}| = 2\sqrt{5}$$

$$\vec{d} = (2, 0), |\vec{d}| = 2$$

問題 2.

$$(1) \textcircled{1} (5, -3) \quad \textcircled{2} (8, -4) \quad \textcircled{3} (-1, -1) \quad \textcircled{4} (4, 0)$$

$$(2) \textcircled{1} (1, 7) \quad \textcircled{2} (10, 20) \quad \textcircled{3} (-8, -6) \quad \textcircled{4} (-7, -9)$$

練習 1.

$$(1) \vec{a} = (-3, 3), |\vec{a}| = 3\sqrt{2} \quad \vec{b} = (3, 1), |\vec{b}| = \sqrt{10} \quad \vec{c} = (6, -4), |\vec{c}| = 2\sqrt{13}$$

$$\vec{d} = (0, 4), |\vec{d}| = 4$$

$$(2) \vec{a} = (-8, -2), |\vec{a}| = 2\sqrt{17} \quad \vec{b} = (-3, 2), |\vec{b}| = \sqrt{13} \quad \vec{c} = (4, 5), |\vec{c}| = \sqrt{41}$$

$$\vec{d} = (-4, 0), |\vec{d}| = 4$$

練習 2.

$$(1) \textcircled{1} (2, 2) \quad \textcircled{2} (12, 20) \quad \textcircled{3} (-7, -17) \quad \textcircled{4} (-15, -33)$$

$$(2) \textcircled{1} (1, -4) \quad \textcircled{2} (-2, 2) \quad \textcircled{3} (8, -17) \quad \textcircled{4} (-10, 22)$$