

Exercise 1

Locate the numbers $z_1 + z_2$ and $z_1 - z_2$ vectorially when

$$(a) z_1 = 2i, \quad z_2 = \frac{2}{3} - i; \quad (b) z_1 = (-\sqrt{3}, 1), \quad z_2 = (\sqrt{3}, 0);$$

$$(c) z_1 = (-3, 1), \quad z_2 = (1, 4); \quad (d) z_1 = x_1 + iy_1, \quad z_2 = x_1 - iy_1.$$