Exercise 1

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

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

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