

$\alpha.$ $x + 2x + 3x + 4x = (1 + 2 + 3 + 4)x = 10x$

$\beta.$ $2y + 3y - 4y + y = (2 + 3 - 4 + 1)y = 2y$

$\gamma.$ $a + \beta + 3a - 4\beta = (1 + 3)a + (1 - 4)\beta = 4a - 3\beta$

$\delta.$ $2\omega + 4z - 7\omega + 3z = (2 - 7)\omega + (4 + 3)z = -5\omega + 7z$