

$$(2a + 1) + (2b + 1) = 2(a + b + 1); \quad (2a + 1) - (2b + 1) = 2(a - b);$$

$$(2a + 1) \times (2b + 1) = 4ab + 2a + 2b + 1 = 2(2ab + a + b) + 1.$$