

Multiplying Binomials 2

1. Expand and Simplify

a) $(2x - 5)^2$

b) $(3x - 4)(3x + 4)$

c) $(x + 6)(x + 4) + (x + 2)(x + 3)$

d) $(y + 3)(y - 1) - (y + 2)(y - 6)$

* When a coefficient is multiplied by two binomials, multiply the binomials first and then distribute the coefficient through the expression.

2. Expand and Simplify

a) $-2(2x - 5y)(3x + y)$

b) $4(x - 3)^2 + 18$

c) $-3(2x - 5)^2 - 10$

d) Challenge: $(3x + 2)(2x - 1)(x + 5)$