

Multiplying out Brackets

1. Multiply out the brackets and simplify the following:

a) $(x + 6)(x + 3)$

b) $(y - 2)(y + 5)$

c) $(a + 8)(a - 2)$

d) $(t - 6)(t + 2)$

e) $(m + 5)(m - 4)$

f) $(n + 3)^2$

2. Remove the brackets and simplify the following:

a) $(3x + 6)(2x + 7)$

b) $(2y - 3)(y + 1)$

c) $(2t - 1)^2$

3. Simplify:

a) $(b + 2)(b^2 + 2b + 1)$

b) $(2x + 7)(x^2 + 9x + 3)$

c) $(y - 3)(y^2 - y + 2)$

d) $(3x - 1)(x^2 - 2x - 4)$