

## Expanding and Simplifying Brackets

1) Expand and simplify

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

b)  $(x + 5)(x + 3)$

c)  $(x + 1)(x + 4)$

d)  $(x + 6)(x + 4)$

e)  $(x + 5)(x + 7)$

2) Expand and simplify

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

b)  $(x - 7)(x + 2)$

c)  $(x - 1)(x + 3)$

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

e)  $(x - 5)(x + 5)$

3) Expand and simplify

a)  $(x - 3)(x - 4)$

b)  $(x - 2)(x - 6)$

c)  $(x - 1)(x - 1)$

d)  $(x - 7)(x - 2)$

e)  $(x - 4)(x - 5)$

4) Expand and simplify

a)  $(x - 7)(x + 1)$

b)  $(p - 6)(p + 4)$

c)  $(e - 3)(e - 7)$

d)  $(x + 8)(x + 1)$

e)  $(x - 5)(x - 5)$

5) Expand and simplify

a)  $(2x + 3)(2x + 1)$

b)  $(3p - 4)(2p + 5)$

c)  $(e - 3)(3e - 4)$

d)  $(4x - 6)(2x + 1)$

e)  $(2x - 3)(2x + 3)$

6) Expand and simplify

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

b)  $(3p - 2q)(4p + 5q)$

c)  $(4e - 3f)(2e - 2f)$

d)  $(6x - y)(6x + y)$

e)  $(3x - 2y)(x - 5y)$