Expansion of two brackets

$(x + 2)(x - 4)$
Here we can see the two terms inside the brackets. So we will get 4 terms after expansion.

$(x + 2)(x - 4)$ (Each terms will be multiplied)

$x^2 - 4x + 2x - 8$ (Here $-4x + 2x = -2x$)
$x^2 - 2x - 8$

Exercise 14
Expand and simplify

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

=_____

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

=_____

3) $m(m + 5) - 3(m + 4)$

=_____

d4) $p(p + 5) - 5(p + 5)$

=_____

Expand the following brackets.
5) $(x+3)(x+5)$

=_____

6) $(x+7)(x+9)$

=_____

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

=_____

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

=_____

9) $(x-2)(x-5)$

=_____

10) $(x-5)(x-8)$

=_____

Expand and simplify.

11) $(x+3)(x-3)$

=_____

12) $(x+5)(x-5)$

=_____

13) $(x+7)(x-7)$

=_____

14) $(x+9)(x-9)$

=_____

15) $(y+11)(y-11)$

=_____

16) $(t+12)(t-12)$

=_____