

# GCSE Maths worksheet 15

Name \_\_\_\_\_

Group \_\_\_\_\_

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

1	Simplify $e + e + e + e + e - e$	
2	Simplify $f \times f \times f \times f$	
3	Simplify $3x + x - 4x + 2x + x$	
4	Simplify $-3y \times 4x$	
5	Simplify $5a + 3a + a - 4a$	
6	Simplify $6a + 2b + a + 3b$	
7	Simplify $8x - 2y + 3x - 5y$	
8	Simplify $x^2 + 2x + 4x^2 - 3x$	

9	Expand $3(4x + 5)$	
10	Multiply out $2(3p - 1)$	
11	Expand $3(12 - 7x)$	
12	Factorise $6x - 15$	
13	Factorise $5x + 10$	
14	Factorise fully $4x^2 + 12x$	
15	Factorise fully $15x - 10x^2$	
16	Factorise fully $x^3 - x$	
17	Expand and simplify $3(2x + 1) + 2(3x + 4)$	
18	Expand and simplify $4(3x - 5) - 2(4x - 4)$	