

# Expanding and Factorising Homework Sheet 6, Term 1 2016

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

1. Expand the following:

a)  $-7(5 - 3a) =$

b)  $5xy(z - x) =$

c)  $3m - 4(2n - 5p) =$

2. Expand and simplify

a)  $2(x + 4) + 3(x - 1) =$

b)  $4a(a + 5) - 3a(2a - 7) =$

c)  $6a + 8 - 3(3a - 1) =$

d)  $15 - 3(x - 5) + 3x =$

3. Expand and then collect like terms

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

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

c)  $(2a - 3b)(a + 2b) =$

d)  $(3x - 2)(x - 2) =$

e)  $(g - 4)^2 =$

f)  $(x + 4)(x + 5) + (x - 1)(x + 8) =$

g)  $(2x - 3)(4x + 1)(x + 1) =$