



Leith Academy National 5 Home Learning



BRACKETS

NON-CALCULATOR

1. Multiply out the brackets and simplify the following.

a. $3x(5x + 2)$

b. $4ab(11 - 5a)$

c. $9p^2(2 - p + 7p^2)$

d. $12s^2 - 3s(12 + 7s - 5s^2)$

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

f. $(2z - 8)(3z + 4)$

g. $(3d + 9e)(10d - 5e)$

h. $(6m - 3)^2$

i. $(2k - 6)(3k^2 + 2k - 4)$

j. $(2x - 1)(x + 6)(3x + 2)$

k. $(2x + 3)^3$