

# RIGOUR



MTH 4-14a

Homework 3

Silver Level



**Outcome 1 - Single Brackets** Expand the following single brackets...

1  $8(x + 4) + 5(2x + 9)$

2  $6(5x + 8) - 2(4x + 7)$

**Outcome 2 - Double Brackets**

Expand the following double brackets...

1  $(x - 1)(x + 2)$

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

3  $(x - 3)(x + 8)$

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

5  $(x + 3)(x - 6)$

**Outcome 3 - Triple Brackets**

Expand the following triple brackets...

1  $(x - 1)(x^2 + 6x + 2)$

2  $(x - 7)(x^2 + 4x + 3)$

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

4  $(x - 6)(x^2 + 7x + 4)$

5  $(x - 11)(x^2 + 5x + 7)$