



MTH 4-14a

Homework 3

Gold Level

**Outcome 1 - Single Brackets**

Expand the following single brackets...

$x(x + 11)$

$5x(x - 2)$

$x^2(3x + 8)$

$6x^2(4x - 9)$

Outcome 2 - Double Brackets

Expand the following double brackets...

$(x - 1)(x - 1)$

$(3x - 2)(x - 3)$

$(2x - 9)(x - 4)$

$(x - 5)(4x - 3)$

$(5x - 8)(x - 7)$

Outcome 3 - Triple Brackets

Expand the following triple brackets...

$(x - 1)(x^2 + 5x - 3)$

$(x - 2)(x^2 - 8x + 7)$

$(2x - 3)(x^2 + 6x + 1)$

$(3x - 8)(x^2 - 2x - 11)$

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