



MTH 4-14b

Homework 3

Gold Level

**Outcome 1 - Common Factor**

Factorise the following expressions...

$7x^2 + 28x$

$54m - 9m^2$

$20d^3 - 15d^2$

$30e^2 + 6e^3$

Outcome 2 - Difference of 2 Squares

Factorise the following expressions...

$8c^2 - 72$

$6w^2 - 600$

$3p^2 - 363$

$7m^2 - 175$

$10x^2 - 490$

Outcome 3 - Trinomials

Factorise the following expressions...

$2x^2 + 11x + 12$

$2y^2 + 19y + 9$

$3c^2 - 4c - 15$

$7t^2 - 8t + 1$

$11g^2 - 15g - 14$