

## MTH 4-14b

## Homework 3

## Bronze Level

## Outcome 1 - Common Factor

Factorise the following expressions...

1

$6x + 24$

2

$14t - 63$

3

$6z + 14$

4

$143b - 55$

## Outcome 2 - Difference of 2 Squares

Factorise the following expressions...

1

$q^2 - r^2$

2

$c^2 - 1$

3

$w^2 - 196$

4

$a^2 - 49$

5

$r^2 - 1600$

## Outcome 3 - Trinomials

Factorise the following expressions...

1

$x^2 + 16x + 15$

2

$y^2 + 8y + 12$

3

$q^2 + 12q + 27$

4

$w^2 + 18w + 80$

5

$g^2 + 20g + 100$