

# Worksheet 3

## Factorisation

**Solve the following quadratic equations.**

1.  $x^2 - x - 30 = 0$

2.  $x^2 - 10x + 18 = 0$

3.  $4x^2 - 4x - 39 = 0$

4.  $2x^2 = 7 - x$

5.  $3x^2 - 2x - 4 = 0$

6.  $r^2 - 7r + 3 = 0$

7.  $1 + \frac{3}{x^2} = \frac{5}{x}$