

## 2.7 Quadratic equations and quadratic inequalities

# Checklist

## What you should know

By the end of this subtopic you should be able to:

- solve quadratic equations using several analytical methods, including factorisation, completing the square and applying the quadratic formula
- solve quadratic equations using graphical methods with the aid of a GDC
- determine the nature of the roots of a quadratic expression, by using the discriminant of the quadratic
- solve quadratic inequalities using both analytical and graphical methods.

