

Checklist

What you should know

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

- find the vertex, axis of symmetry and y -intercept of a quadratic function from its standard form
- find the vertex, axis of symmetry and y -intercept of a quadratic function from its vertex form
- find the vertex, axis of symmetry and y -intercept of a quadratic function from its factorised form
- determine the domain and range of a quadratic function
- use the method of completing the square to transform a quadratic function from standard form to vertex form
- transform quadratic functions from one form to another
- use a GDC to find the x -intercepts of a parabola
- sketch a parabola, showing all relevant features such as the vertex, axis of symmetry, y -intercept and x -intercepts if there are any.

