

# Checklist

## What you should know

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

- apply the rules of implicit differentiation to implicit functions
- solve related rates of change by following these steps:
  - understand the problem
  - develop a model
  - write an equation relating what you want and what you know
  - differentiate both sides
  - substitute any known values
  - solve and answer the question
- translate word problems into functions and apply differentiation to find the optimum solution (maximum or minimum).

