

## ALGEBRA II - TECHNIQUES

### Study Plan

### Section 3 Expressions involving square roots

#### Background

Accuracy is important in mathematics, particularly in Applied maths. Using a square root rather than the calculator approximation will give an exact answer. e.g.  $1.4142 \approx \sqrt{2}$  but whereas  $(\sqrt{2})^2 = 2$ ,  $1.4142^2 = 1.99996164$ .

Revise the ideas behind collecting like terms. The manipulation of square roots follows the same rules, except for division which is slightly different. Work through all of examples 2.13 and 2.14.



#### Exercise 2E

Try at least half of the parts from each question.