

## Section 2: Complex roots of polynomials

### Crucial points

- 1. Remember that complex roots of polynomial equations with real coefficients always occur in conjugate pairs**  
This means that if you know one complex root, then you know another one.  
Note: this does not apply if the coefficients of the equation are not real!
- 2. Make sure that you can divide a polynomial by a linear or quadratic factor**  
This is covered in AS Mathematics – look back at this work if you need to.
- 3. Check your work carefully**  
It is easy to make mistakes in the algebra when solving polynomial equations.