

# Checklist

## What you should know

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

- identify that  $\operatorname{Re}(z) = a$  and  $\operatorname{Im}(z) = b$ , given  $z = a + bi$
- add, subtract, multiply and divide complex numbers analytically and using a calculator
- write the complex conjugate of a complex number and use it to perform division
- use the equality property of complex numbers to solve for variables
- solve systems of equations with complex number coefficients and solutions
- represent complex numbers on the Argand plane
- find the modulus and argument of a complex number and use these to graph complex numbers.

