Questions: Introduction to complex numbers

Tom Coleman

Summary

A selection of questions for the study guide on introduction to complex numbers.

*Before attempting these questions, it is highly recommended that you read* [*Guide: Introduction to complex numbers*](../studyguides/introtocomplexnumbers.qmd)*.*

## Q1

Using complex numbers, find solutions to the following equations.

1.1.

1.2.

1.3.

1.4.

## Q2

For each of the complex numbers below, give their real and imaginary parts. (In this question, are real numbers.)

2.1. .

2.2. .

2.3. .

2.4. .

2.5. .

2.6. .

2.7. .

2.8. .

2.9. .

2.10. .

2.11. .

2.12. .

## Q3

Find the complex conjugate for every complex number in Q2.

## Q4

Draw and their conjugates on the same Argand diagram, making sure to label both your axes and each complex number on the diagram. Can you spot a relationship between a complex number and its conjugate, with respect to the Argand diagram?

[After attempting the questions above, please click this link to find the answers.](../answers/as-introtocomplexnumbers.qmd)

## Version history and licensing

v1.0: initial version created 10/24 by tdhc.

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