Questions: Arithmetic on complex numbers

Charlotte McCarthy

Summary

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

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

## Q1

Work out each of the following expressions, expressing your answer in the form where is the real part and is the imaginary part.

1.1.

1.2.

1.3.

1.4.

1.5.

1.6.

## Q2

Work out each of the following expressions, expressing your answer in the form where is the real part and is the imaginary part.

2.1.

2.2.

2.3.

2.4.

2.5.

2.6.

2.7.

2.8.

2.9.

## Q3

Work out each of the following expressions, expressing your answer in the form where is the real part and is the imaginary part.

3.1.

3.2.

3.3.

3.4.

3.5.

3.6.

3.7.

3.8.

3.9.

## Q4

Work out each of the following expressions, expressing your answer in the form where is the real part and is the imaginary part.

4.1.

4.2.

4.3.

4.4.

4.5.

4.6.

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

## Version history and licensing

v1.0: initial version created 11/24 by Charlotte McCarthy as part of a University of St Andrews VIP project.

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