Questions: Introduction to matrices

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Summary

A selection of questions on matrices.

Before attempting these questions, it is highly recommended that you read [Guide: Introduction to matrices].

# Q1

You are given the following matrices:

## Q1.1

Give the dimensions of all matrices A-H.

## Q1.2

Give the values of the following entries:



## Q1.3

Give the main diagonals of the matrices A, C, E, and G.

# Q2

You are given the following matrices:

Calculate the following questions using matrix addition, subtraction, and scalar multiplication:

# Q3

You are given the following matrices:

Finally calculate the following using matrix multiplication:

After attempting the questions above, please click this link to find the answers.

## Version history

v1.0: initial version created 04/25 by Jessica Taberner as part of a University of St Andrews VIP project.

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