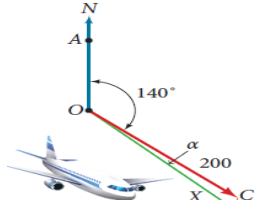


1. Goals



By the end of this unit, students will:

- understand the concepts and techniques in vectors, complex numbers, functions and graph sketching
- apply reasoning skills and solve problems in vectors, complex numbers, functions and graph sketching
- communicate their arguments and strategies when solving problems
- construct proofs of results
- interpret mathematical information and ascertain the reasonableness of their solutions to problems.

This week: Systems of linear equations:

- recognise the general form of a system of linear equations in several variables, and use elementary techniques of elimination to solve a system of linear equations
- examine the three cases for solutions of systems of equations – a unique solution, no solution, and infinitely many solutions – and the geometric interpretation of a solution of a system of equations with three variables.

2. Theoretical Components

Notes and Examples: refer to G/Classroom under ABOUT/RESOURCES/SEM1/WK13 folder.

Intersection of Planes:

- <https://goo.gl/uXwrMj>
-

Video Example:

- <https://goo.gl/zbcHir>
- <https://goo.gl/wLZkNP>
- <https://goo.gl/U7qUiN>

Worked Example: <https://goo.gl/rZR4yR>

3. Practical Components

Check Google Classroom WK13 folder, and attempt questions on Lines and Planes in Space.

Attempt this quiz: <https://goo.gl/vL663b>

4. Investigation

None this week....

.....there will be a Mathspace quiz (will not be assessed, but you'll regret if you don't attempt it).

5.QFO

Quiz/Forum/Other

Review of WK11-WK13 work: <https://goo.gl/Ggcr3j>