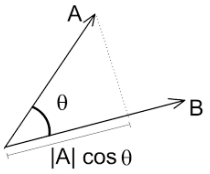
Week 16
Term 2
2023

HAWKER COLLEGE
Engage | Inspire | Achieve

Learning Brief
SM1

1. Goals



By the end of this unit, students:

- understand the concepts and techniques in combinatorics, geometry and vectors
- apply reasoning skills and solve problems in combinatorics, geometry and vectors
- communicate their arguments and strategies when solving problems
- construct proofs in a variety of contexts including algebraic and geometric
- interpret mathematical information and ascertain the reasonableness of their solutions to problems.

This week's focus:

- Geometric proof using vectors

2. Theoretical Components

STEP 1:

Readings:

Examples: https://bit.ly/3GvOEOg

Video examples:

https://bit.ly/3PPndDo

https://bit.ly/3GmdOi0

https://bit.ly/3z2n9dw

3. Practical Components

STEP 2:
Study the first two worked examples and then attempt the 6 questions:

ABOUT/RESOURCES/WK16

4. Investigation

No investigations this week.

Prepare thoroughly for the SMM In-Class.

SM In-Class will be on next Wednesday.

5.QFO

Quiz/Forum/Other

Review: https://bit.ly/3arSVGr