

PICTON HIGH SCHOOL

Creating Opportunities Achieving Success



Year: 2025 Subject: Mathematics

Due Date: Week 5 29th May 9R Line – Period 2 9Y Line – Period 5	Assessment Name: Half Yearly Examination
Mark/Grade: /50	Weighting (if applicable): 40%

TASK DESCRIPTION:

In this in class written examination, you will demonstrate your understanding of key Stage 5 mathematical concepts related to **indices**, **area of 2D shapes**, and **volume of solids**. The assessment will consist of multiple choice and short answer questions and will be completed under examination conditions.

The exam is **out of 50 marks** and includes a range of difficulty levels. While all students are expected to complete the core components of the paper, some questions will be more challenging and relate to advanced (pathways) content. You are encouraged to attempt all questions to the best of the ability.

SYLLABUS OUTCOMES TO BE ASSESSED:

Indices

- MA5 – IND – C – 01 simplifies algebraic expressions involving positive-integer and zero indices, and establishes the meaning of negative indices for numerical bases

Area

- MA5 – ARE – C – 01 solves problems involving the surface area of right prisms and practical problems involving the area of composite shapes and solids

Volume

- MA5 – VOL – C – 01 solves problems involving the volume of composite solids consisting of right prisms and cylinders
- MA5 – VOL – P – 01 applies knowledge of the volume of right pyramids, cones and spheres to solve problems involving related composite solids

DIRECTIVES TO BE ASSESSED:

Analyse:	To identify causes, key factors, relationships and possible results
Apply:	To use relevant information and skills for a given situation
Interpret:	To draw meaning from a mathematical situation
Perform	To work or operate mathematically
Simplify	To reduce a question to its most basic form

Check your assessment booklet for the current PHS Assessment Policy procedures, located on the school's website. This includes information on submission dates, plagiarism, malpractice and the use of AI.

