Subject: Maths Methods

Year Level (2014): 11

Transition Work/Holiday Homework

Details of work to be completed for transition and holidays.

**Transition Work** – Students are to complete all exercises from chapter 1 (see list of questions below)

**Holiday work**: Students need to complete transition work for the holidays.

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topic</th>
<th>Questions</th>
<th>Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Solving linear equations with one unknown</td>
<td>1A Q1-6 left hand side (lhs)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Constructing linear equations</td>
<td>1B Q1eso, 4, 5, 10, 12</td>
<td></td>
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<tr>
<td>3</td>
<td>Solving simultaneous equations</td>
<td>1C Q1-3 lhs</td>
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<tr>
<td>4</td>
<td>Constructing and solving simultaneous equations</td>
<td>1D Q1, 3, 10</td>
<td></td>
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<tr>
<td>5</td>
<td>Solving linear inequations</td>
<td>1E Q1-2lhs, 5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Using and transposing formulae</td>
<td>1F Q3-5 lhs, 9, 11 lhs</td>
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Students are to be told that they will be completing a test during 1st period based on chapter 1 to gauge student knowledge and understanding.

Due Date: 1st Day of Term 1

Materials Required: Copy of textbook – chapter 1
Course outline sheet
Bound Reference Book Guidelines
Text: Essential Maths Methods 1 & 2 CAS Edition

Prerequisites: Year 10 Mathematics

Technology: It will be assumed that students have a TI-Inspire graphics calculator for all forms of assessment and have a sound working knowledge of its capabilities.

Assessment: All assessment tasks will need to be completed for a satisfactory standard to be reached in the 3 outcomes.

*Outcome 1:* Define and explain key terms and concepts as specified
*Outcome 2:* Apply mathematical processes in non-routine contexts and analyse these applications
*Outcome 3:* Select and appropriately use technology

*It is an expectation that all set exercises are completed.*

**Holiday work:** Chapter 1 (Essential Maths Methods 1 & 2 (CAS edition))

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To be submitted on A4 paper on the 1st day of school next year

Graded S or N

You must show all of your working to satisfy all outcomes. (This includes algebraic working for Exercises 1B and 1D)
Bound Reference Book Guidelines

Students are allowed to take a bound reference into designated Mathematics examinations. This resource is intended to provide students with access to mathematics-related reference material that may be of assistance during the examination. A suitably qualified member of the school teaching staff will check the appropriateness of reference materials as students enter the examination room for Mathematics examinations where these items are permitted.

Specifications for bound reference

• the bound reference must be in book format of A4 size or smaller when closed
• the number of pages is not specified
• pages must be permanently bound and securely attached to the spine
• there must be a single horizontal or vertical spine.
• the bound reference may be:
  – a textbook
  – a securely bound lecture pad
  – a permanently bound student-constructed set of notes without fold-outs
  – an exercise book
• the form of binding is not specified but it must be secure, and pages must not be readily detachable or designed to be removed. Binding can include cloth, glue, staple, spiral or comb binding.

Students are allowed to:

• annotate the material
• design their own written index
• fold pages
• cut page corners
• colour code pages
• insert dividers into their own sets of notes
• firmly attach (for example, by glue, adhesive tape or staples) additional material to pages in the bound reference
• bound references may be consulted during reading time and throughout the examination

The following is prohibited:

• pages or parts of pages that can be detached from the bound reference during the examination
• fold-outs, maps or brochure-style components
• removable tabs, post-it notes or other pages or material designed to be detached
• forms of collation/binding that are designed to be non-permanent and the content modified by insertion including:
  – ring-binder folders
  – plastic A4 sleeves(permanent or removable) from which pages may be removed
  – manila and similar folders with clip, clamp, slide and metal prong-style binding of loose-leaf material.

Important

If any page is detached from the rest of the bound reference, the page will be removed by the supervisor for the duration of the examination and the incident will be reported as a potential breach of rules.