**Term 2 10.1 Mathematics**

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Exercise List**

This is the list of work to be completed before the exam. There is a lot!

You can check it off as you go.

MOL stands for MathsOnline worksheets – these are printed in this booklet.

|  |  |  |
| --- | --- | --- |
| ***Exercise*** | ***Content*** | ***Questions*** |
| **5A** | Pythagoras’ Theorem | 1 (alt) | 2 (alt) | 3 | 6 | 7 | 9 | 11 | 12 |
| **5C** | Trigonometric Ratios | 1 alt | 2 alt | 3 alt | 4 alt | 5 alt | 6 alt | 7 alt | 8 alt |
| **5D** | Calculating sides (right ∆) | 1 alt | 2 alt | 3 alt | 4 alt | 5 | 6 |  |  |
| **5E** | Calculating angles (right∆) | 1 alt | 2 alt | 3 alt | 4 alt | 5 alt | 7 |  |  |
| **5F** | Angles elevation/depression | 1 | 3 | 5 | \*6 | \*7 |  |  |  |
| **5G** | Bearings & compass directions | 1alt | 2 alt | 3 alt | 4 | 8 | 10 | 11 |  |
| **MOL 1** | Sine rule (sides) | 1 | 3 | 5 | 7 | 9 |  |  |  |
| **MOL 2** | Sine rule (angles) | 1 | 3 | 5 | 7 | 9 |  |  |  |
| **MOL 3** | Cosine Rule (sides) | 1 | 3 | 5 | 7 | 9 |  |  |  |
| **MOL 4** | Cosine rule (angles) | 1 | 3 | 5 | 7 | 9 |  |  |  |
| **MOL 5** | Cosine rule (mixed) | 1 i  | 1 iii | 1 v | 2i | 2iii | 2v |  |  |
| **22A** | Sine rule – word problems | 1 | 2 | 13 | 17 | 18 | 20 |  |  |
| **22B** | Cosine rule – word problems | 1 | 3 | 7 | 12 | 13 | 17 |  |  |