



MATHEMATICS ASSESSMENT TASK NOTIFICATION YEAR 9 Pathway 3

2021

Task Number:	4
Topic/s:	Trigonometry, Linear Relationships, Equations and Inequalities
Weighting:	35%
Due Date:	15/11/2021
Time:	Regular class – Period 1
Venue:	Classroom

Outcomes to be Assessed:

- MA5.1-1WM uses appropriate terminology, diagrams and symbols in mathematical contexts
- MA5.1-2WM selects and uses appropriate strategies to solve problems
- MA5.1-3WM provides reasoning to support conclusions that are appropriate to the context
- MA5.1-6NA determines the midpoint, gradient and length of an interval, and graphs linear relationships
- MA5.1-10MG applies trigonometry, given diagrams, to solve problems, including problems involving angles of elevation and depression
- MA5.2-1WM selects appropriate notations and conventions to communicate mathematical ideas and solutions
- MA5.2-2WM interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
- MA5.2-3WM constructs arguments to prove and justify results
- MA5.2-8NA solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques
- MA5.2-9NA uses the gradient-intercept form to interpret and graph linear relationships
- MA5.2-13MG applies trigonometry to solve problems
- MA5.3-1WM uses and interprets formal definitions and generalisations when explaining solutions and/or conjectures
- MA5.3-2WM generalises mathematical ideas and techniques to analyse and solve problems efficiently
- MA5.3-3WM uses deductive reasoning in presenting arguments and formal proofs
- MA5.3-8NA uses formulas to find midpoint, gradient and distance on the Cartesian plane, and applies standard forms of the equation of a straight line

Task: IC

Electronic Submission of Task:
N/A

Required Equipment: Calculator, Ruler, Protractor, Pair of Compasses, Pens, Pencil

Please Note:

1. The College policy regarding malpractice, including cheating and plagiarism, late submission and absenteeism will apply. Please refer to moodle.pmaclism.catholic.edu.au (Assessment Tasks – Rules and Procedures). Stage 6 students should also refer to their *2020 Assessment Handbooks*.
2. Email is NOT an accepted form of assessment task submission.
3. If you are going to be away for any reason, including school based activities, you must fill in a “Planned Absence Notification” form and submit to the Assistant Principal Curriculum or the Leader of Curriculum. This form can be found at <http://moodle.pmaclism.catholic.edu.au/mod/page/view.php?id=17637>.
4. ***Students who do not bring a calculator to the task will not be able to borrow one from the school unless pre-organised with their class teacher***

Course Content Tested:		Suggested Revision:
Trigonometry	Chapter 13	Signpost Page 376 Ex 13:01-13:07, Diagnostic Test, Chapter Review Q1-4 Mathsonline 6084,6086,6088,6090,6092,6094,6095,4260,4247, 4248,4249,4250,4261,4262,5245
Linear Relationships	Chapter 9	Signpost Page 254 Ex 9:01-9:07, 7:11, Diagnostic Test Q1-15, Chapter Review Mathsonline 5472,5474,4200,6058,4197,5469,5477,5937,6060,5235
Equations and Inequalities	Chapter 7 and 10	Signpost Page 171 Ex 7:01-7:08, 7:11, Diagnostic Test Q1-15, Chapter Review Q1-7, 9 Page 297 Ex 10:01-10:03, Diagnostic Test, Chapter Review Mathsonline 5589,5593,3251,8102,8098,4174,8183,8184,3252, 5231,3253,4221,4222,6541,4226,5239