

**Annex A to AMC/GM Part 147 - Module 1 Mathematics**

<b>CASA module Examinations subjects</b>	<b>CASA mech basics exams equavelant</b>	<b>CASA avionic basics exams equavelant</b>
<b>Module 1 Mathematics (B1 &amp; B2)</b>		
<b>1.1 Arithmetic</b>		
Arithmetical terms and signs, methods of multiplication and division, fractions and decimals, factors and multiples, weights, measures and conversion factors, ratio and proportion, averages and percentages, areas and volumes, squares, cubes, square and cube roots.	Nil	Nil
<b>1.2 Algebra</b>		
<b>(a)</b>		
Evaluating simple algebraic expressions, addition, subtraction, multiplication and division, use of brackets, simple algebraic fractions;	Nil	Nil
<b>(b)</b>		
Linear equations and their solutions;	Nil	Nil
Indices and powers, negative and fractional indices;	Nil	Nil
Binary and other applicable numbering systems;	Nil	Nil
Simultaneous equations and second degree equations with one unknown;	Nil	Nil
Logarithms.	Nil	Nil
<b>1.3 Geometry</b>		
<b>(a)</b>	NIL	Nil
Simple geometrical constructions;	NIL	Nil
<b>(b)</b>	NIL	Nil
Graphical representation, nature and uses of graphs, graphs of equations and functions;	NIL	Nil
<b>(c)</b>	NIL	Nil
Simple trigonometry, trigonometrical relationships, use of tables and rectangular and polar coordinates.	NIL	Nil