GENERAL MATHS 2018 NAME:



## MATRICES



Key Knowledge Task

Concept	Exercises	BOUND REFERENCE	
How to work with <b>matrices</b> . Introduction and Terminology	<u>Exercise 5A</u> <u>Entry:</u> 1, 2abc, 4abc, 6, 8ab <u>Expected:</u> 1, 2abc, 6abc, 8abcd <u>Expected +:</u> 1, 2abc, 6abc, 8abcd	Concept How to Example(s)	
Use matrices to model practical elements.	Exercise 5B Entry: 1a, 2, 3acd Expected: 1ab, 2, 3acd Expected +: 1ab, 2, 3acd	Concept How to Example(s)	
Adding and Subtracting Matrices	<u>Exercise 5C</u> <u>Entry:</u> 1aceg 2ace, 3 <u>Skill Sheet:</u> 1 & 2 <u>Expected:</u> 1ac 2aceg, 3, 4 <u>Skill Sheet:</u> 1, 2 & 3 <u>Expected +:</u> 1ac 2aceg, 3, 4 <u>Skill Sheet:</u> 1, 2, 3 & 4	Concept How to Example(s)	
Scalar Multiplication; multiplying a matrix by a number	Exercise 5D Entry: 1ace, 2ace,3ab, 4a, 5 Expected: 1ac, 2ace,3ab, 4ac, 5 Expected +: 1ac, 2ace,3ab, 4a, 5, 6	Concept How to Example(s)	
Rules and Application of Matrix Multiplication;	Exercise 5E Entry: 1ab, 2abc, 3a, 4adg, 5adg,7ab, Expected: 2ab, 3a, 4ad, 5ad,7ab, 8ab, 9a Expected +: 2ab, 3a, 4ad, 5ad,7ab, 8ab, 9a	Concept How to Example(s)	
Application of Matrices	Exercise 5F Entry: 1, 2, 5, 7 Expected: 2, 4, 6, 7 Expected +: 2, 4, 6, 7,8	Concept How to Example(s)	
Communication and Connections	Exercise 5G Entry: 1, 2a, 3a, 4ab Expected: 1, 2ab, 3a, 4ab, 5abc Expected +: 1, 2ab, 3a, 4ab, 5abc	Concept How to Example(s)	

Identity and Inverse Matrices	<u>Exercise 5H</u> <u>Entry:</u> 1abc, 2abc	Concept	
	Expected: 1abc, 2abc	How to	
	Expected +: 1,	Example(s)	
Solving Simultaneous equations using Matrices	<u>Exercise 5J</u> <u>Entry:</u> 1, 2, 3	Concept	
	<b>Expected:</b> 1, 3, 4, 6	How to	
	Expected +: 1, 3, 4, 6	Example(s)	
Transition matrices and the steady state.	Transition Matrices Questions <u>Entry:</u> 1, 2, 3	Concept	
	<b>Expected:</b> 1, 2, 3 & 4	How to	
	Expected +: 1, 2, 3, 4 & 5	Example(s)	D
Extended Application Question	<u>Exercise 5K</u> <u>Entry:</u> 1, 2	Concept	
	<u>Expected:</u> 1, 2	How to	
	<b>Expected +:</b> 1, 2	Example(s)	