

Matrix Unit: Exeter Problems

Date	Problem	Problem Notes
	3:13.2	Intro to idea of matrix
	3:13.3	Meaning of matrix multiplied by vector. Row & column vectors defined.
	3:13.4	Matrix multiply introduced.
	3:14.2	Meaning of matrix multiply
	3:14.3	Meaning of matrix multiply
	3:14.8	Multiply 2x2
	3:15.5	Multiply 2x2
	3:15.9	Dimension constraints on matrix multiply.
	3:22.3	Matrix inverse with GDC
	3:22.6	Matrix inverse with GDC
	3:22.7	Matrix inverse with GDC
	3:23.10	Matrix application
	3:23.11	Matrix application
	3:24.5	Review solving 3x3
	3:25.6	3x3 systems using matrices
	3:25.7	Continuation of 3:25.6
	3:26.6	Non-commutative nature of matrix multiply
	3:26.12	Solve 3x3 system with inverses
	3:27.7	Solve systems with calculator
	3:30.4	Manual matrix multiplies.
	3:30.5	What's required for commutativity?
	3:33.6	3x3 word problem to solve with matrices.
	3:36.3	3x3 word problem to solve with matrices.
	3:38.2	Matrices can be used for transformations.
	3:48.2	Notation discussion
	3:75.6	Matrix multiplication is associative.