Name:		

Course Preview: Some Applications of Linear Algebra

1.	Read the Chapter 1 questions.	1 Introductory Example, Linear Models in Economics and Engineering, and answer the following
	(a) What did Pro	f. Leontief's 500 equations represent?
		Harvard's Mark II computer solve 500 equations in 500 unknowns? What did Prof. Leontief do this difficulty?
	(c) Give three app	plications of linear algebra.
2.	Answer the followin (a) How old is Ka	g, based on the video <i>Noise Reduction through Numerical Linear Algebra</i> (youtu.be/iHqeZSOgpbs). athrin?
		Prof. Mehrmann, systems of equations too large to be solved a few years ago can be solved now improvement in what two things?
	(c) What is one o	of the building blocks in the noise optimization program of the company SFE?
	(d) What band is	playing on the radio in the red car that disturbs the peace? (Hint: Ask your parents.)