

Period	Name	
Precalc 2 Unit 6 STUDY GUIDE RUBRIC Matrices, Systems and Volume		OK by
Grade Each Topic out of 4		
4- MASTERY Includes All Vocab and Visuals addressed in the topic, An Example, An ORIGINAL example (solved), and a clear understanding of the main idea. It can teach someone else how to do it all		
3- PROFICIENCT Includes Most Vocab and Visuals for the topic, an example or an original example clearly and correctly solved. Expresses some understanding of the main idea		
2- BASIC- Includes vocab or visual. Includes example. Shows a basic understanding of the main idea of the topic		
1- BELOW BASIC- Work demonstrated but shows little clarity or understanding of the topic		
Act 34-1	What is a matrix and how is it used to represent numeric data? How do you add and subtract matrices? How do you perform scalar multiplication on a matrix?	/4
Act 34-2	How do you multiply matrices (by hand and using technology)?	/4
Act 34-3	How do you find the determinant of a 2x2 matrix? How do you calculate inverse matrices (by hand and using technology)?	/4
Act 35-1	How can matrices be used to translate and reflect figures in the plane?	/4
Act 35-2	How can matrices be used to rotate and dilate figures in the plane?	/4
Act 35-3	How can matrices and determinants be used to find the area of a triangle?	/4
Act 36	How can a system of equations be represented and solved using matrices by hand and using technology)?	/4
Act 37-1	Explain Cavalieri's Principle.	/4
Act 37-2	How do you calculate the volume of a sphere?	/4
Act 37-3	Explain the concept of a Limit.	/4
	Subtotal	/40
	Adjusted Total = Total /40*40	/40