

## Unit 1 Matrices Study Guide

X = skill not needed

Can you...	By Hand	By Calculator	Teach someone else how to do this skill
Identify the dimensions of a matrix			
Identify/write an identity matrix			
Find the determinate for a 2x2 and 3x3			
Explain what a determinate of 0 means			
Find the inverse of a 2x2			
Find the inverse of a 3x3	X		
Perform basic matrix operations			
Multiply 2x2 matrices			
Explain when matrix multiplication is undefined			
Solve a matrix equation			
Write a matrix as a system of equations			
Write a system of equations as a matrix			
Solve a system of equations using inverse matrices			
Determine the area of a triangle given 3 points	X		
Determine the equation of a parabola given 3 points	X		
Use augmented matrices to solve matrix equations		X	