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| **Name:** | **David Young** | **Subject:** | **Linear Systems and Statistics** | **Week of:**  | **September 23, 2013** |
| **Lesson Plans** |
|  | **Monday:** | **Tuesday:** | **Wednesday:** | **Thursday:** | **Friday:** |
| **Statement of** **Objective(s)/****Think, Know,****Do(start with a verb)** | Students will solve systems of equations using augmented matrices | Students will solve systems of equations using augmented matrices and transform geometric figures using matrices | Students will solve systems of equations using augmented matrices and transform geometric figures using matrices | Students will write matrix equations to represent word problems and find determinants of matrices (2x2) | Students will find determinants of matrices |
| **Anticipatory****Set/Opening** | Review answers to homework problems. Go over any questions students may have. | Bellringer: Review answers to nSpire quiz from yesterday if not already completed, **or** students will write about what they are still struggling with in solving augmented matrices | Last minute questions before test | Bellringer based on commonly missed test question | Bellringer: Write a matrix equation for a word problem and find the determinant of a 2x2 matrix |
| **Learning****Activities** | Finish any additional questions on the homework as time allowsStudents will take an nSpire quiz over augmented matrices | Review worksheet on solving systems with augmented matrices and transformations using matrices | Test over augmented matrices and geometric transformations using matrices | Use word problems worksheet to introduce setting up a matrix equation for a system of equations | Notes and examples of finding the determinant of 3x3 matrices (using diagonals method and expansion by minors)Practice worksheet on finding determinants |
| **Assessment of****Student****Understanding****/Closure** | nSpire quizReview answers in class if time allows | Exit slip: work with a partner to solve a system using augmented matrices | Students work on test will serve as the assessment of learning | Exit slip: write a matrix equation for a new word problemHomework: write matrix equations for problems on original word problem sheet | Exit slip: Students will find the determinant of a 3x3 matrix |