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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 allows  Students 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 quiz  Review 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 problem  Homework: write matrix equations for problems on original word problem sheet | | | Exit slip: Students will find the determinant of a 3x3 matrix |