Analysis CP- Unit 14

CAN YOU:

 Use and apply matrix vocabulary and properties?

 Add, subtract, and multiply matrices (and know when a matrix operation is not possible)?

 Write a matrix to represent data?

 Use matrices and matrix operations to solve real world problems?

 Find the determinant of a 3x3 matrix using expansion-by-minors?

 Find the inverse (if it exists) of a square matrix and know what causes a matrix to not have an inverse?

 Use an augmented matrix and the reduced row-echelon form (RREF) to solve a system of linear equations?

 Interpret the results of a reduced row echelon matrix: WS- RREF: 1-12

o One unique solution?

o No solutions?

o Infinitely many solutions?

 If a problem has infinitely many solutions: WS- RREF: 1-12

o Use parametric form and state the domain?

o Give one specific solution?

 Solve a real world problem using a reduced row echelon matrix?

WS- Echelon Word Problems: 1-8