Group\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section\_\_\_\_\_\_\_\_\_\_\_\_

1. True or false (no explanation needed)
   1. \_\_\_\_\_There is a two-unknowns linear system whose solution set is all vector in .
   2. \_\_\_\_\_If and then .
   3. \_\_\_\_\_There are infinitely many row equivalent class.
   4. \_\_\_\_\_A row equivalence classes can contain matrices with different number of rows.
   5. \_\_\_\_\_A row equivalence classes can contain matrices with different number of columns.
   6. \_\_\_\_\_There is a row equivalent class that contains a finite number of matrices.
2. Three truck drivers went into a roadside cafe. One truck driver purchased four sandwiches, a cup of coffee, and ten doughnuts for $8.45. Another driver purchased three sandwiches, a cup of coffee, and seven doughnuts for $6.30. What did the third truck driver pay for a sandwich, a cup of coffee, and a doughnut?
3. Write an augmented matrix in reduced echelon form of a linear system whose solution can be described as

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1. Describe the plane that contains this point and line.
2. Calculate the solution of this system.