

**1. List of defined terms.**

[Disclaimer: While I have attempted to list all terms from class, there may be others that will still be conceptually on the exam as well as other properties/theorems and applications.]

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|---------------------------------|--|
| (a). linear equation            | (k). linearly independent set                |
| (b). system of linear equations | (l). linearly dependent set                  |
| (c). inconsistent system        | (m). matrix multiplication                   |
| (d). consistent system          | (n). transpose                               |
| (e). dependent system           | (o). invertible matrix (inverse of a matrix) |
| (f). (row) echelon form         | (p). singular matrix                         |
| (g). (row) reduced echelon form | (q). elementary matrix                       |
| (h). linear combination         | (r). determinant                             |
| (i). set spanned by vectors     | (s). cofactor                                |
| (j). matrix-vector product      | (t). cofactor expansion                      |

**2. Computational Problems (~ 50%)****3. True or False (and/or counter-example) Questions****4. Proof(s) from Class and/or Homework****5. New Proof(s)**