

Term Test B Instructions

Some rules for the term test:

- I will probably reseal you in random order.
- You are only allowed to leave the classroom (for example, to go to the bathroom) if no one else has left the classroom. Ask for permission to leave.
- You are not allowed to submit your test to the instructor and leave the classroom for the first 45 minutes.
- All electronic devices must be turned off except for a calculator. I recommend using a calculator with matrix functions.
- If you commit an act of academic dishonesty, I will take your case to the dean.
- You are graded on the steps that lead to your results. Correct results with incorrect or missing work to get to the results do not earn points.

Here is the material covered for term test B:

Vectors solve word problems involving linear combinations, span, linear independence, basis, dimension; calculate dot product, length and angles associated with vectors; find plane equations and tangent planes; solve dependent or underdetermined systems of linear equations; calculate the cross product and use it to find plane equations.

Projection find the projection of a vector onto a hyperplane; calculate the distance of a vector from a hyperplane; find the regression line for paired data; linearize a non-linear function using the Jacobian.

I have posted lab questions and solutions on D2L for additional term test practice.