Final Checklist

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You should know how to complete the following items for the final. Check off which items in which you feel confident. Spend extra time reviewing the unchecked items.

☐ Know how to find a linear equation with constant coefficients for a model of a spring system

☐ Know how to solve a homogeneous linear system

☐ Know how to find a fundamental matrix

☐ Know how to determine the stability of a homogeneous linear system and sketch its phase plane portrait

☐ Know how to linearize a system and determine its local stability