

# Midterm 1 Checklist

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

- Know how to identify the order of a differential equation
- Know how to identify whether a differential equation is linear or nonlinear
- Know how to draw a direction field of a first order equation and use it to estimate a solution at a given point
- Know how to identify and solve a separable equation
- Know how to identify and solve a first order linear equation
- Know how to identify and solve an exact differential equation