

## LECTURE SUMMARY 9.1

WEDNESDAY, JULY 6, 2016

### SEPARATE DIFFERENTIAL EQUATIONS

1. Examples of solving separate differential equations.
2. Domain of Solutions.
3. Identifying constant solutions.

### HIGHER-ORDER LINEAR HOMOGENEOUS EQUATION WITH CONSTANT COEFFICIENTS

1. Solutions for different roots.
2. Solutions for repeated roots.

Suggestion: Do exercises as many as possible.