

Differential Equations – Homework 12

Professor:

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Homework 12

Directions: Do the following book problems

From the book:

Chapter 3.5 Problems: 1, 2, 3, 11, 32, 34

Chapter 3.5 (same chapter) 21-24 (For these ones just guess y_{nh} don't solve for coefficients)

Other Notes:

1. Remember that I say y_{nh} and the book says y_p . These mean the same thing.
2. On problems 21-24 and 27 note that the book directions say "DO NOT SOLVE for the coefficients." You only need to find y_h and make an educated guess for the form of y_{nh} .
3. You should be working on foundational skills like:
 - Factoring polynomials.
 - Finding roots to polynomials.
 - Solving systems of linear equations.
 - Taylor Series - seriously go back to your calc book and relearn these!

Give the future you a HUGE GIFT, by getting your foundational skills down 100%. The biggest reason why students struggle in upper level math classes is because they are making their lives harder by struggling with foundational concepts!