

Differential Equations – Homework 20

Professor:

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Directions: Do the following book problems

Chapter 8.1 problems 1, 5, 7, 15, 18

Other Notes:

1. Now is the time to open up your old Calculus textbook and review Power Series (Taylor Series). This is Chapter 9 in the Hughes Hallett Calculus book. (9.5 is over Power Series specifically). You can also watch some videos from my Calc II website.
2. Be very careful with your algebra and bookkeeping here. It is so easy to accidentally change an $n + 1$ to n or forget to distribute a term through your series. This totally messes up the problem! Slowing down and checking your work as you go really helps.