

Turn in starred problems, and only those, Thursday 09/09/2010.

Multiple-page homework must be STAPLED when handed in.

Section 4.2:

- 1 (a), (d), (g), *(h), *(l)
- 2 (b), (d), *(g) (Hint for (g): the denominator has a factor $x - 1$.)
- 7 (a), *(e), (i), (j)

Exercises from the *Notes on Power Series* posted on the web page:

- 2 *(a), (b), (c), (d), (f), *(h)
- 3 (a)

Hints and remarks: For the problems of 4.2.1 I find it convenient to use the ratio or root test directly to determine for what values of x the series converges, rather than use the formulas (7a) or (7b). These work but some care is needed; for some problems you will need to use the trick of Example 4.