

MATH 411, Spring 2001

Homework 2

Due: 15, February, 2001

R. Redheffer, *Differential Equations*:

[6.1]: 2, 10;

[6.2]: 1, 4(b,c);

[6.5]: 4;

[8.1]: 2 (a,b);

[8.4]: 4;

By variation of parameters find a particular solution to problem 6 (a,c,d,f,h) in [6.5]. You can stop as you have obtained the expressions for derivatives of unknown coefficients;

[10.2] 6.

All problems are estimated by 10 points, except 6 in [6.5] and 6 in [10.2] which are estimated by 15 points.