

3450:335 Ordinary Differential Equations, Kreider

Second Order Problems

1. $x'' + 12x' + x = 0$

2. $x'' + x' + 12x = 0$

3. $xy'' + 3xy' + y = 0, y(1) = 1, y'(1) = 7$

4. $x'' + 2x' + x = \sin 3t$

5. $x'' + 2x' + x = e^{2t}$

6. $x'' + 2x' + x = e^{-t}$

7. $x'' + 4x = \sin t$

8. $x'' + 4x = \sin 2t$