# Mech 2 Math Suggested Problems Week #6

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1. Section 3.1: #3

2. Section 3.2: #5

3. The Wronskian $W(t)$ of a pair of solutions of
$$y'' + t^2 y = 0$$
   satisfies $W(1) = -3$. What is $W(4)$?

4. Section 3.3: # 5

5. Section 3.3: # 11

6. Section 3.3: # 12

7. Section 3.4: # 3

8. Section 3.4: # 11

9. Section 3.5: # 5

10. Section 3.5: # 9

11. Section 3.5: # 25

12. Section 3.5: # 29

13. Section 3.7: # 3

14. Section 3.7: # 7

15. Section 3.8: # 3

16. Section 3.8: # 15