Study sections 1.4, 1.5 and 1.6 up to Example 6.

- Section 1.4: problems 1, 3(a,c) 4(a,b), 5(g,h),10,13,14,15.
- Section 1.5: problems 1, 2(a,c), 9, 10, 14, 15, 18, 20.
- Section 1.6: problems 1(a,b,c,d), 7, 9, 11.

Always justify your solution. You may use any result stated in the sections we covered. In the “true or false” problems, give a proof if you believe the statement is true, or give a counterexample if you believe the statement is false.