```
HW 1, Due Week 2
1.1: 1, 4, 5, 6, 9, 15, 19, 27, 29, 30, 32, 33, 34
    Reading. Required background. Nothing graded from 1.1.
1.2: 1, |2|, |4|, 5, |6|, 7, 9, |10|, 13, 15, 16, 18,
    21, 22, 24, 26, 29, 31, 32, 33, 35, 40, 41
1.3: 2, 3, 5, 6, |8|, 10, 11, 13, |14|, 23, 25, 26, 33
1.4: 2, 3, 4, |6|, 9, |12|, 13, |18|, 19, 20, 21, |22|, |26|, 36,
    41, 42, 45, 46, 49, 51, 56, 59
Print Exercise 1.3-8 image at 200% from here:
http://www.math.utah.edu/gustafso/exercise1.3-8-EdwardsPenney.jpg
HW 2, Due Week 3
1.5: 1, 7, |8|, |10|, 13, |18|, |20|, 21, 23, 24, 33,
34, 36, 39
3.7: 1, 2, |4|, 7 [LC and RC circuits, LRC after 3.6]
2.1: 1, 3, 4, 6, |8|, 10, 12, |16|, 22, 23, 33, 37
2.2: 5, 7, 8, 9, |10|, 11, 15, 17, |18|
2.3: 2, 3, 9, |10|, 13, 14, 17, 18, 19, |20|, |22|, 24, 25
Computer Lab 1, Due Week 5:
http://www.math.utah.edu/gustafso/s2017/2280/2280mapleL1-intro-S2017.pdf
HW 3, Due Week 4
No exercises due, only the computer Numerical DE Project (below),
 which uses the statements from exercises 2.4-6, 2.5-6, 2.6-6.
2.4: 2, 3, 4, |6|, 10, 12, 17 Euler's method
2.5: 3, 4, 5, |6|, 10, 12 Improved Euler or Heun
2.6: 3, 4, 5, |6|, 10, 12 Runge-Kutta, RK4
http://www.math.utah.edu/ gustafso/s2017/2280/numericalDEproject-S2017.pdf
HW 4, Due Week 5
3.1: 1, 6, 10, 27, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 46, 48, 53
3.2: 1, 2, 5, 8, 11,13, 16, 18, 19, 20, 21, 22, 23, 25, 26
3.3: 3, 7, |8|, 9, |10|, 11, |16|, 17, 23, 27, 31, |32|, 37, 40
3.4: 3, 4, 5, 6, 10, 11, 15, 17, 19, |20|, 21, 33, |34|
HW 5, Due Week 6
3.5: 2, 3, 5, |6|, 10, 11, |12|, 19, 21, |22|, 25, 27, 29, 31, 34, 39,
  43, 45, 47, 51, 52, 54, 57, 58, 59
3.6: 3, |4|, 5, 7, |8|, 9, |11|, 13, 15, 17, |18|, 20, 21, 22
3.7: 1, 2, 4, 7, |12|, 15, |18|, 19 [LRC circuits]
Computer Lab 2, Newton Cooling, Due Week 6. Choose one project.
http://www.math.utah.edu/gustafso/s2017/2280/2280mapleL2-freezing-pipes-S2017.pdf
http://www.math.utah.edu/ gustafso/s2017/2280/2280mapleL2-swamp-cooler-S2017.pdf
HW 6, Due Week 7
7.1: 1, 3, 7, 9, 11, 13, 17, |18|, 19, |22|, 23, 27, |28|, 29, 31, 40
7.2: 3, 7, 9, |10|, 15, |16|, 17, 19, |20|, 21, 23, |24|, 35, 37
7.3: 3, |6|, 7, 9, |12|, 13, 17, |18|, 20, 23, 27, 28, 29, 30, 32, 34, 37
HW 7, Due Week 8
7.4: |2|, 3, 9, 13, 15, 17, |22|, 23, 26, 27, 29, 30, |36|, 37
7.5: 3, |4|, 7, 9, 11, 13, |14|, 21, |22|, 25, 27, |28|, 31, 33, 34, 37
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HW 8, Due Week 9
 7.6: 2, 5, 6, |7|, |8|, 11, |12|, 18, 21, |22| [impulses and Laplace]
 4.1: 1, 3, 2, 5, 7, |8|, 11, 12, 15, 17, |20|, 21, 24, 26
 4.2: 7, |12|, 27; A Laplace or Cayley-Hamilton-Ziebur solution is acceptable.
 4.3: 7, |9|, 21;
See RK4 for systems http://www.math.utah.edu/gustafso/s2017/2280/numericalVectorMethods.pdf
For Exercise 4.3-9 and similar computer problems, see all files numerical-4.3* in the direc-
tory http://www.math.utah.edu/ gustafso/s2017/2280/maple/
HW 9, Due Week 11 after Spring Break (Week 10, no classes)
5.1: |16|, 17, |20|, |22|, |24|, 25, |28|
Computer Lab 3, Laplace:
http://www.math.utah.edu/gustafso/s2017/2280/2280mapleL3-laplace-S2017.pdf
HW 10 does not exist. Spring Break.
No Quiz 10. No Lab 10.
HW 11, due Week 12
 5.2: |8|, 11, 13, |20|, 21, 27, 29, |30|, 31, 35, 39, 43, 45, 49
 5.3 [5.4 in edition 5/E]: |6|, 9, 13, 19, |24|, 27
 5.4 [5.5 in edition 5/E]: 1, 7, |11|, |29|
 5.5 [5.6 in edition 5/E]: 1, 3, |4|, 11, |12|,
                                                        38
                                                  23,
 Edition 5/E problems are identical in matching sections:
   Edition 4/E
                         Edition 5/E
   5.1
                         5.1
   5.2
                         5.2
   5.3
                         5.4 [a new 5.3 was inserted]
   5.4
                         5.5
   5.5
                         5.6
   5.6
                         5.7
 We don't do the 5/E section 5.3 problems.
 The material in 5/E section 5.3 is a reference
 for Chapter 6 in both 4/E and 5/E.
HW 12, due Week 13
 5.6 [5.7 in edition 5/E]: 1, 13, |15|, 19,
                                               23
 6.1: 3, |4|, 5, 7, |8|, 11, 15, 17, |18|
 6.2: |2|, 5, 7, 9, |12|, 13, 17, 19, 21, |22|, 23, 29
 6.3: 5, 7, |8|, |9|, |10|, 11, 18, 19
 HW 13, due Week 14
 6.4: 1, 3, |4|, |8|, 9, 10, 11, 13, 14
 6.5: Not covered in class, nothing due.
 Computer Lab 4, Resonance:
http://www.math.utah.edu/gustafso/s2017/2280/2280mapleL4-resonance-S2017.pdf
 HW 14, due Week 15
 9.1: |6|, 7, |10|, |13|, 15, 17, 20, |24|, 30
 9.2: 2, |8|, 9, |20|
 9.3: 1, |4|, 9, |17|
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9.4: |**1**|, 7, |**9**|, 13

HW 15, due $\underline{\text{by}}$ 6pm $\underline{\text{Tues}}$ day May 3 under the door JWB 113

 $9.5: 1, 2, \boxed{3}, \boxed{7}, \boxed{9}$

 $9.6: 1, \boxed{5}$