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
    Print: Exercise 1.3-8 image at 200%
1.4: 2, 3, 4, 6, 9, 12, 13, 18, 19, 20, 21, 22, 26, 36,
    41, 42, 45, 46, 49, 51, 56, 59

Computer Lab 1, Due Week 3:
http://www.math.utah.edu/~gustafso/s2015/2280/2280mapleL1-intro-S2015.pdf
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

HW 3, Due Week 4, as a maple/matlab/mathematica computer project:
http://www.math.utah.edu/~gustafso/s2015/2280/numericalDEproject-S2015.pdf
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

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/s2015/2280/2280mapleL2-freezing-pipes-S2015.pdf
http://www.math.utah.edu/~gustafso/s2015/2280/2280mapleL2-swamp-cooler-S2015.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

```
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/s2015/2280/numericalVectorMethods.pdf

HW 9, Due Week 11 after Spring Break (Week 10, no classes)
```
5.1: 16, 17, 20, 22, 24, 25, 28
Computer Lab 2, Newton Cooling
Computer Lab 3, Laplace

http://www.math.utah.edu/ gustafso/s2015/2280/2280mapleL2-freezing-pipes-S2015.pdf

http://www.math.utah.edu/ gustafso/s2015/2280/2280mapleL2-swamp-cooler-S2015.pdf

http://www.math.utah.edu/ gustafso/s2015/2280/2280mapleL3-laplace-S2015.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: 6, 9, 13, 19, 24, 27
5.4: 1, 7, 11 , 29
5.5: 1, 3, 4, 11, 12, 23, 38

```
HW 12, due Week 13
```
5.6: 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
Computer Lab 4, Resonance
```
 http://www.math.utah.edu/~gustafso/s2015/2280/2280mapleL4-resonance-S2015.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, 20
9.4: 1, 7, 9, 13

```
HW 15, due by 6pm Tuesday May 5 under the door JWB 113
```
9.5: 1, 2, 3, 7, 9
9.6: 1, 5