Suggested and Required Homework Problems for MAC 2313, Spring 2020

The following problems from Thomas 14E are suggested, either on MLP (electronic) or on paper. You can assign more problems or less, as you see fit, perhaps ±20%. But the ones in boldface are required; these should count into the students' grades in the form of homework or in-class work sheets. Eventually we may mandate approx 3 common problems per section; probably we should discuss this number. Feel free to suggest more problems, perhaps to take effect in Summer.

12.1: 1,3,4,7,13,23,25,26,35,**39**,41,43,45,51,55,61,63
12.2: 1,3,5,11,17,18,21,23,25,27,33,35,37,45
12.3: 1,7,9,11,20,25,29,**33**,43
12.4: 7,9,11,**15**,18,19,23,25,**27**,29,30,37,41,55
12.5: 1,3,5,7,8,11,15,17,**23**,27,**33**,35,41,49,59,61,71
12.6: 1,7,9,11,13,**14**,21,**25**,29,35,37,41 [don't assign 3 or 6]

13.1: 1,5,7,12,19,23,24,38
13.2: 1,3,7,**11**,13,**21**,23,25
13.3: 3,5,6,7,9,**11**,13
13.4: 1,4,10,**11**,19,21
13.5: 1,3,7,11,17

14.1: 1,3,**5**,11,13,21,**49**,51
14.2: 1,5,7,13,17,21,25,33,37,39,41,**42**
14.3: 2,3,7,13,16,23,29,35,41,44,45,49,63,66
14.4: 1,5,7,**9**,21,**25**,27,37,38,39,41
14.5: 1,3,5,7,11,**13**,15,**19**,25,29,31
14.6: 3,5,**11**,**19**,21,29,35,41,45,61
14.7: 2,3,**14**,23,26,33,**35**,37,49,53,**59**
14.8: 1, 3, 5

15.1: 1,3,7,9,11,17,21,23,29,31,38
15.2: 9,11,19,31,35,45,49,53,57
15.3: 1,3,5,13,17,19,21
15.4: 1,2,5,7,9,**11**,23,**25**,26,27,29
15.5: 7,11,15,**21**,23,25,**27**,29,37,39
15.6: 5,**13**,25,29,39,43
15.7: 23,29,39,43,47,55,**61**,65,73,77
15.8: 1,**3**,**7**,9,10,11,15

16.1: **9**,11,17,21,25,**29**
16.2: 7,11,15,**19**,21,**29**,39
16.3: 1,3,5,7,**9**,17,**19**,21,27,29,31
16.4: 11,**15**,17,21,27,29,**31**,34
16.5: 1,**3**,21,**25**,37,49

16.6: 3,9,13,**19**,21,27,29
16.7: 5,7,**9**,11
16.8: 1,3,**9**,11

Note: the last two sections are considered mandatory, but it is not unusual to run out of time in 16.6 or 16.7. Do your best.