

Homework for Math 152-F2, Summer 2015

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Only the boxed problems are to be handed in. Show your work: writing only the final answer without showing your steps will not get full credit.

It's best to do the exercises in order, rather than jumping right to the hand-in ones, which tend to be harder. If you need help with *any* of the problems, you are welcome to come to my office hours or e-mail me!

Homework is due on Monday. Please staple all of the week's assignments together, rather than handing them in separately. Be sure to indicate your name, the assignment number, and the sections of the textbook.

If you plan to be absent on Monday, you are encouraged to hand in your homework early. If you need to know all the problems that I plan to assign on a given week, feel free to ask.

1. Due Monday, June 29:

Note: The problems from Section 5.6 are an optional review, but you *absolutely must* have mastery over substitution to understand later sections.

(M) 5.6: 7, 9, 11, 15, 17, 19, 33, 49, 65, 69

6.1: 1, 3, 5, 9, 13, $\boxed{14}$, 17, 23, 31, $\boxed{43}$

(T) 6.2: 1, 3, 8, 25, 39, 41, 48, $\boxed{62}$

6.3: 1, 5, 7, $\boxed{12}$, 21

(W) 6.3: 15, 17, 23, $\boxed{24}$

6.4: 1, 3, 5, $\boxed{18}$

(Th) 7.1: 1, 3, 5, $\boxed{6}$, 9, 13, 15, 19, 23, 37, $\boxed{40}$

2. Due Monday, July 6:

(M) 7.2: 1, $\boxed{3}$, 5, 10, 11, 23, $\boxed{28}$, 33, $\boxed{34}$, 37, $\boxed{45}$

(T) 7.3: $\boxed{1}$, $\boxed{2}$, 4, $\boxed{15}$, 17, 19, $\boxed{30}$

(W) 7.4: 1, 2, 3, $\boxed{4}$

7.5: 3, 7, 9, $\boxed{12}$, 13, $\boxed{21}$, $\boxed{30}$

(Th) 7.6: 5, $\boxed{11}$, 15, 19, $\boxed{26}$, 35, $\boxed{38}$, 61, $\boxed{62}$, 63

3. Due Monday, July 13:

(M) 8.4: 1, $\boxed{2}$, 3, 9, $\boxed{14}$, $\boxed{15}$, $\boxed{19}$

(T) 8.4: $\boxed{21}$, $\boxed{31}$

4. Due Monday, July 20:

(M) 10.1: 1, 7, 9, 35, $\boxed{36}$, $\boxed{41}$, 45, 53

10.2: 1, 2, 3, 11, $\boxed{14}$, 17, 21, 25, $\boxed{29}$

(T) 10.3: 1, 7, 11, 15, $\boxed{16}$, 19, $\boxed{25}$, 39, $\boxed{45}$

(W) 10.4: 3, $\boxed{7}$, 17, 21, $\boxed{26}$, $\boxed{29}$, $\boxed{30}$

(Th) 10.5: 1, $\boxed{6}$, 7, $\boxed{10}$, $\boxed{14}$, 15, 37, 39, $\boxed{41}$

5. Due Monday, July 27:

(M) 10.6: 3, 9, $\boxed{10}$, 11, $\boxed{16}$, 23, $\boxed{25}$, 37, $\boxed{38}$, 39

(T) 10.7: 3, $\boxed{4}$, 5, $\boxed{7}$, 29, $\boxed{30}$, $\boxed{42}$

6. Due Monday, August 3:

(T) 8.1: 1, 3, 7, $\boxed{9}$, $\boxed{10}$, 33, 35, $\boxed{39}$

11.1: 5, 7, 9, $\boxed{13}$, $\boxed{15}$, $\boxed{16}$, 21, 26, $\boxed{49}$

(W) 11.2: 1, $\boxed{4}$, 7, 15, $\boxed{18}$, 29

11.3: $\boxed{5}$, 11, 13, 18, $\boxed{21}$, $\boxed{31}$

(Th) 11.4: 3, 7, $\boxed{8}$, $\boxed{9}$, 11, $\boxed{23}$, $\boxed{25}$

7. Due Monday, August 10:

(M) 9.1: $\boxed{1}$, $\boxed{2}$, 5, $\boxed{10}$, 13, $\boxed{19}$, 23, 25, 29, $\boxed{31}$, 37