

Homework assignments for Unit 6X

The following exercises are *strongly recommended*:

<http://math.ucr.edu/~res/math153-2020/exercises/math153exercises06.pdf>

All the exercises on page 231 of Burton, and Exercise 15 on pp. 264 – 265 of Burton.

Additional Exercises 1 – 7 and 11.

<http://math.ucr.edu/~res/math153-2020/exercises/math153exercises06x.pdf>

All exercises. Here is an additional **hint** for the first exercise: If you are given integers a , b and need to find c such that ca is congruent to $1 \pmod{b}$, look for numbers of the form $b \pm k$ such that k is small and a divides $b \pm k$.

<http://math.ucr.edu/~res/math153-2020/updates2019/aabUpdate06.153.s19.pdf>

Exercise 6; the others were assigned previously.

Solutions for the exercises in the first two documents can be found in the folder <http://math.ucr.edu/~res/math153-2020/solutions>. The solution for the third document is in <http://math.ucr.edu/~res/math153-2020/updates2019/aabUpdate06a.153.s19.pdf>.

There will be a separate homework document for Unit 6Y.