HOMEWORK EXERCISES
Math 430: Number Theory
Spring 2021

All solutions are to be turned in via Gradescope by 11pm on their due dates. Individual questions will be graded on a 0-3 scale. Individual assignments will be weighted into your total grade based on the number of questions they contain. This list will be updated continuously through the semester.

Section 1.1: $2, 4, 9, 11, 14$
Section 1.2: $1, 5, 7$

<div align="right"><small>HW01 - 29 JAN</small></div>

Section 2.1: $1, 3, 5$
Section 2.2: $2, 3, 4$
Section 2.3: $3, 12, 18, 20$
Section 2.4: $2cd, 5, 7, 9$
Section 2.5: $1, 3, 6, 8b$

<div align="right"><small>HW02 - 12 FEB</small></div>

Section 3.1: $3, 5, 7, 11, 14, 16, 19$
Section 3.2: $2, 4, 5, 9, 10, 11$
Section 3.3: $1, 2, 5, 9$

<div align="right"><small>HW03 - 19 FEB</small></div>

Section 4.2: $1, 4, 6bd, 8bd$
Section 4.3: $1, 6a, 27$
Section 4.4: $1bdf, 4bd, 8, 18$

<div align="right"><small>HW04 - 05 MAR</small></div>

Section 5.2: $1, 2c, 4bc, 6, 12$
Section 5.3: $1, 3, 9, 10, 11$
Section 5.4: $1b, 5b, 8$

<div align="right"><small>HW05 - 19 MAR</small></div>

Section 6.1: $7, 9, 22, 23b$
Section 6.2: $3, 4, 5, 6$
Section 6.3: $2bc, 3, 5a$
Section 6.4: $3a$

<div align="right"><small>HW06 - 02 APR</small></div>

Section 7.2: $1, 4cde, 13, 18$
Section 7.3: $1bc, 2, 5, 7, 9$
Section 7.4: $2, 5, 15$

<div align="right"><small>HW07 - 16 APR</small></div>

Section 8.1: $1, 2, 6, 11$
Section 8.2: $1, 4, 6$
Section 8.3: $1, 3, 8$
~~**Section 8.4:**~~

<div align="right"><small>HW08 - 23 APR</small></div>

Section 9.1: $1ab, 3, 9, 11a$
Section 9.2: $1abc, 2abc, 3, 12, 13$
Section 9.3: $1bc, 3c, 4, 9, 10b$
~~**Section 9.4:**~~

<div align="right"><small>HW09 - THURSDAY 29 APR</small></div>

Last Update: April 18, 2021