

Sections to be covered

The sections are numbered according to the 7th Edition of the Cengage textbook “PreCalculus: Mathematics for Calculus” by Stewart, Redlin and Watson. The assigned problems are found in the WebAssign website. See the class schedule or WebAssign for due dates.

HW #	Section covered
1	1.5: Equations
2	1.6: Complex numbers
3	1.8: Inequalities
4	1.9: The coordinate plane; graphs of equations; circles
5	1.10: Lines
6	1.11: Solving equations and inequalities graphically
7	1.12: Modeling variations
8	2.1: Functions
9	2.2: Graphs of functions
10	2.3: Getting information from the graph of a function
11	2.4: Average rate of change of a function
12	2.5: Linear functions and models
13	2.6: Transformations of functions
14	2.7: Combining functions
15	3.1: Quadratic functions and models
16	3.2: Polynomial functions and their graphs
17	3.3: Dividing polynomials
18	3.4: Real zeros of polynomials
19	3.5: Complex zeros and the Fundamental Theorem of Algebra
20	3.6: Rational functions
21	4.1: Exponential functions
22	4.2: The natural exponential function
23	4.3: Logarithmic functions
24	4.4: Laws of logarithms
25	4.5: Exponential and logarithmic equations
26	10.1: Systems of linear equations in two variables
27	10.2: Systems of linear equations in several variables
28	10.3: Matrices and systems of linear equations
29	10.4: The algebra of matrices
30	10.5: Inverses of matrices and matrix equations