

Advanced Math Objective List

Obj. #	Lesson	Objective
1	1.1	Identify and evaluate functions
2	1.2	Perform function operations and compositions
3	1.3	Graph and analyze linear functions
4	1.4	Write linear equations
5	1.5	Write equations of parallel and perpendicular lines
6	1.6	Graph linear inequalities
7	2.1	Graph linear piecewise functions
8	2.2	Solve systems of linear equations in two variables
9	2.3	Solve and use systems of linear inequalities
10	2.4	Solve systems of linear equations in three variables
11	2.5	Perform matrix operations
12	2.6	Find determinants and inverses of matrices
13	3.1	Determine symmetry of coordinate graphs
14	3.2	Identify and sketch families of graphs
15	3.3	Graph and interpret nonlinear inequalities
16	3.4	Analyze and graph inverses of functions
17	3.5	Identify asymptotes of rational functions
18	3.6	Determine continuity, end behavior, and extrema of functions
19	4.1	Analyze equations of polynomials
20	4.2	Solve quadratic equations and interpret their roots
21	4.3	Determine factors of polynomials
22	4.4	Locate zeros and rational roots of polynomial functions
23	4.5	Solve rational equations and inequalities
24	4.6	Solve radical equations and inequalities

25	5.1	Apply and graph exponential functions
26	5.2	Use the number e in equations
27	5.3	Apply and graph logarithmic functions
28	5.4	Use properties of logarithms
29	5.5	Apply common logarithms
30	5.6	Apply natural logarithms
31	6.1	Find trigonometric ratios for right triangles
32	6.2	Identify angle and side measures of special right triangles
33	6.3	Solve right triangles
34	6.4	Apply trigonometric functions
35	6.5	Use the Law of Sines
36	6.6	Use the Law of Cosines
37	7.1	Interpret angles in the coordinate plane
38	7.2	Apply the radian measures of angles
39	7.3	Use trig functions in the Unit Circle
40	7.4	Apply angle identities
41	7.5	Apply trigonometric identities
42	7.6	Solve trigonometric equations
43	8.1	Analyze and graph sine and cosine functions
44	8.2	Interpret and write sine and cosine functions
45	8.3	Analyze and graph other trigonometric functions
46	8.4	Interpret and write other trigonometric functions
47	8.5	Analyze and graph inverse trigonometric functions
48	8.6	Interpret and write inverse trigonometric functions