



### College Algebra Semester 2 Final Assessment Blueprint

Year Created: 2023-2024

Method of Delivery: Online

Subject: Math

Administration Window: May Common Finals

### Resources

[College Algebra Curriculum Map](#)

### Standards At-A Glance

Standard	Number of Items	Standard Description
MA.9-12.A2.A-SSE.A.2	2	Use structure to identify ways to rewrite polynomial and rational expressions. Focus on polynomial operations and factoring patterns.
MA.9-12.A2.F-BF.B.4 MA.9-12.P.F-BF.B.4	2	Find inverse functions.
MA.9-12.A2.F-IF.C.7	1	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available, and showing end behavior.
MA.9-12.A2.N-RN.A.2	3	Rewrite expressions involving radicals and rational exponents using the properties of exponents.
MA.9-12.P.F-BF.B.5	10	Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.
MA.9-12.P.F-IF.C.7	4	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available, and showing end behavior.
MAT152.4.VIII.0	7	Systems of linear and nonlinear equations and inequalities

\*Some items may be tagged to more than one standard.

### Depth of Knowledge

DOK	Number of Items
Level 1: Recall	10
Level 2: Skill/Concept	15
Level 3: Strategic Thinking	4

### Item Types Included

Type	Number of Items	Description
MC	29	Multiple Choice - Select one answer