



Hilliard City Schools

Honors Algebra 2

Course Proficiency Study Guide

I. Course Proficiency Purpose:

The purpose of this study guide is to aid the students who wish to take the proficiency assessment for the credit flex option. Items that the student will be required to know for proficiency will be administered in a two-hour written exam.

II. Description of the Assessment Format:

The Written Assessment consists of:

- 76 multiple Choice /Short answer questions – with graphing calculator
- 27 Extended response (Solving Equations, Graphing Functions, etc.) – no calculator

A graphing calculator (without a computer algorithm program) may be used for the Multiple choice/Short Answer part of the assessment. The memory of the graphing calculator will be cleared prior to the assessment, including any programs which would give the student an advantage on the exam. You cannot use a personal device such as an iPad or mobile phone. You will be provided with extra paper and graph paper. No reference sheet (including formulas, etc.) will be provided or is allowed for this assessment.

III. Proficiency Content:

The content of this exam comes from the HCSD Algebra 2 Curriculum and [Learning Targets](#). For the Honors Algebra 2 Credit Flex exam, more emphasis will be placed on the blue learning targets. Below are the units for this course and the percentage of the exam represented in each unit.

Honors Algebra 2A

Unit 1: Foundations of Functions	(9.5%)
Unit 2: Quadratic Functions	(14 %)
Unit 3: Systems of Equations & Inequalities	(7 %)
Unit 4: Polynomial Functions	(9 %)

Honors Algebra 2B

Unit 5: Rational Functions	(14 %)
Unit 6: Exponential & Logarithmic Functions	(14 %)
Unit 7: Rational Functions	(14 %)
Unit 8: Trigonometric Functions	(14 %)
Unit 9: Statistical Analysis	(4.5%)
Unit 10: Series & Sequences	(0 %)

A detailed description of each math standard in this course can be found on Ohio Department of Education's website for the [Algebra 2 Model Curriculum](#). Use the QR Code to the right for quick access to these standards. Note that many of the (+) standards are covered in HCSD Honors Algebra 2 course.



IV. Suggested Resources:

- iBooks for each unit for this course can be found in the Hilliard Online Textbook Canvas Course (**use the iBook versions of the content)
- [Khan Academy Algebra 2 Course](#)