



Hilliard City Schools

Algebra 1B

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 1.5 hour written exam.

II. Description of the Assessment Format:

The Assessment (worth a total of 117 points) consists of:

- 59 select response questions (72 total points)
- 8 short answer/extended response questions (45 total points)

You may bring your own graphing and/or scientific calculator which may be used for Part A of the assessment. You may also use the Desmos Test app, which will be locked on your iPad. However, one will not be provided for you and you may not use a be a personal device connected to the internet. Extra paper and graph paper will be provided but no other reference sheet will be provided or allowed.

III. Proficiency Content:

The content of this exam comes from the HCSD Algebra 1A Curriculum and [Learning Targets](#). Below are the units for this course and the percentage of the exam represented in each unit.

Unit 6: Polynomials Expressions & Equations	(30%)
Unit 7: Graphing Quadratic Functions	(22%)
Unit 8: Solving Quadratic Equations	(21%)
Unit 9: Exponential Functions	(21%)
Unit 10: Statistical Models	(5%)

A detailed description of each math standard found in the [HCSD Algebra 1 Learning Targets](#) can be found on Ohio Department of Education's website. Use the QR Code to the right for quick access to these standards.



IV. Suggested Resources:

- *Highly Suggested:* iBooks for each unit for this course can be found in the Hilliard Online Textbook Canvas Course (both the pdf and iBook version)
- <https://www.khanacademy.org/math/algebra>