



# 8<sup>th</sup> Grade Math Courses

## 8th Grade Intro to Algebra Concepts and 8th Algebra I Course

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### Textbook/Resources:

- Textbook: *Core Connections Course CC3 and CCA algebra*
- E-book: <https://sso.cpm.org/>
- Google classroom: assignments, links and important documents
- Parent Guides (drill skill pdf's): [www.cpm.org](http://www.cpm.org)
- *Course information and important links on the math website:*  
<https://sites.google.com/a/st-mary.net/math-program/>

### Supplies:

- Pencils, Colored pencils, markers
- Red pen
- Scissors
- Calculator
- Composition graphing notebook (1 per trimester)
- Ruler and eraser
- No White Out
- Graph paper extra packet

### Grading:

#### **FORMATIVE ASSESSMENTS:**

**Assessments FOR learning: (10%)** an evaluation tool used to guide and monitor the progress of student learning during instruction. Its purpose is to provide continuous feedback to both the student and the teacher concerning learning successes and progress toward mastery.

- **Homework (4 points each):**

When students are assigned math homework, they should work through it using the following steps:

1. Complete all assigned problems. Every problem should be attempted—NOTHING should be left blank.
2. Homework must be complete to earn credit.
  - ☛ Write the original problem
  - ☛ Show all steps
  - ☛ Circle the answer
3. Correct all problems. Students will use the homework guide in class to correct their homework at the beginning of class the day it is due.
4. If a student answers a problem correctly, they should star the correct problem with a red pen.
5. If a student answers a problem incorrectly,
  - ☛ Circle the problem
  - ☛ Correct all the work as shown on the homework guide and identify the mistake or misunderstanding with a short descriptive phrase, like “added incorrectly.”
  - ☛ If student still does not understand how to complete the problem they should ask the teacher
6. Homework will be collected after all questions have been answered.

7. Students will have 1 week to complete incorrect homework after the due date for full credit of 4 pts.
8. Students will have 1 week to complete missing homework after the due date for partial credit of 2 pts.

- **Quizzes (20 points each)**

The quizzes will cover approximately half of each unit and students are required to make corrections in red on a separate piece of paper. They must show all detailed work leading to the correct answer.

- **Online Math Modules (10 points each)**

Students will be assigned on line assignments from the following sites: brainpop, Desmos, or Khan Academy. Students are responsible for having their on-line math log in information taped in their notebooks.

- **Notebook Check (10 points)**

Student math notebooks will be collected before progress report time each trimester and checked for content, organization and neatness. This is a pre-assessment for the Notebook grade, which is summative.

## **SUMMATIVE ASSESSMENTS:**

**Assessments OF learning: (90%)** an evaluation tool generally used at the end of an assignment, unit, project, or chapter. Summative assessments are more formal kinds of assessments (e.g., unit tests, final exams, projects, writing logs, and presentations) and are typically used to evaluate student mastery of intended learning outcomes.

- **Tests (100 points)**

- Test will cover the entire unit (unless otherwise specified). Students will not be given the option to do test corrections to improve their grade.
  - Post-test self evaluations/reflections will also be assigned
  - Students will be required to make corrections for learning and retention

- **Writing logs (50 points)**

- Writing log assignments will give students the opportunity to explain their understanding of a mathematical concept in writing. Please refer to the rubric below.

- **Projects (50 points)**

- Projects will be assigned to develop math connections and stronger writing skills. All projects have math calculation and writing components and sometimes a STEAM component.

- **Notebook (25 points)**

- Notebooks will be collected 2 times per trimester. The first time will be to grade it as a formative pre-assessment. The second time at the end of the trimester, the notebook will be graded as a summative assessment.

## **GRADING HOMEWORK RUBRIC:**

### **Students will receive 100% on their math homework IF:**

1. All problems are at least attempted by the student
2. All problems have been completely and honestly corrected

*\*Please note that the students do not have to answer every problem correctly on their own to receive 100% on their homework. They just need to completely correct every problem they could not solve on their own. Homework is NOT a test—it is PRACTICE!*

### **Students will earn half credit on their math homework IF:**

1. Not all problems were attempted
2. Corrections were done dishonestly (i.e. a student marks every problem correct even if some of the answers are not).
3. Corrections were incomplete (i.e. a student put the correct answer without showing the detail).
4. No corrections were done at all but homework was turned in on the date it was due.

**\*If a student earns half credit on their homework, they can correct their mistakes for full credit.**

**Students will earn no credit on their math homework IF:**

1. Homework is not stamped, shown to the teacher or shows no attempt of correcting in class on the day it was due.
2. Partial credit given for missing homework if turned in within 7 days.

**GRADING FOR MASTERY RUBRIC**

*Use this guide for basic scoring on all math assessment. Specific rubrics will accompany math projects, notebook and writing logs.*

**4 Points**      **“You get it! I can understand your thinking clearly.”**

Student fully accomplishes the purpose of the task. Student work shows full grasp of the mathematical idea(s). Recorded work communicates thinking clearly using some combination of written, symbolic, or visual explanation.

**3 Points**      **“You mostly get it. I can understand most of your thinking.”**

Student mostly accomplishes the purpose of the task. Student work shows essential grasp of the central mathematical idea(s). Recorded work in large part communicates student thinking.

**2 Points**      **“You get a little bit of it. I can see some thinking.”**

Student work shows partial but limited grasp of the central mathematical idea(s). Recorded work may be incomplete, somewhat misdirected, or not clearly presented.

**1 Point**      **“You don’t get it. I cannot understand your thinking.”**

Student shows little or no grasp of the central mathematical idea(s). Recorded work is barely (if at all) comprehensible.

**0 Points**      **“You did not turn in the assignment or show any form of participation.”**

**NOTEBOOK RUBRIC**

Notebooks will be collected 2 times per trimester. The first time will be to grade it as a formative pre-assessment. The second time at the end of the trimester, the notebook will be graded as a summative assessment. The notebook will contain the following **6 sections**:

1. Learning logs (2 per unit on left side of notebook) (at least 2 paragraphs, 5 sentences each with drawn and/or mathematical examples to support the written description)
2. Vocab for each unit on the left- side of the notes with definitions (at least 4 words per unit)
3. Notes for each unit labeled and color-coded. Each unit should start after a new title page has been created.
4. Closure problems to prep for test (these are at the end of each unit in the ebook and are part of notes)
5. Parent guide problems completed by the end of each unit and are part of the notes section for each unit. (4 from each section and will be assigned as a homework assignment before each unit test and are part of the notes section)
6. Check points in back of notebook (completed last 3 weeks of the trimester) (see google classroom for specifics)