# **Colorado Department of Education LogoMathematics - Secondary (Grades 6-12) Evaluation Worksheet**

Demonstration of Professional Competencies and Depth of Content Knowledge

## **Applicant**

Legal name:  Click or tap here to enter text. Date: Click or tap here to enter text.

## **Requirements**

Content competency must be demonstrated *for each row within each table* by at least one of the following measures (see below).

In the “Course #/Title/Grade” column, you may include any classes you have taken where you have earned a grade of B- or higher. In your submission, you must also upload official transcripts and an official course syllabus from the term in which the course was taken. If you include multiple transcripts, please specify on which transcript reviewers can find the listed course.

You may consider supplementing your submission with portfolio artifacts that demonstrate professional competencies and content knowledge, including candidate-created unit plans, teaching videos, demonstrated classroom experience in which a rubric review was utilized, etc. These will be listed in the “Portfolio Artifact(s)” column. All portfolio evidence *must* be accompanied by written rationale, indicating how each artifact provided shows content competency of the corresponding concept. Please note, portfolio artifacts are meant to show that you know the *content*, not pedagogy, of your desired endorsement area.

In addition, it is key to use a 1:1 naming convention between the items listed in the artifacts column and the documents you upload in the Colorado Online Licensing system (COOL). For instance, if you write “Number Theory Unit Plan” on the worksheet, there must be a corresponding upload titled “Number Theory Unit Plan” in COOL.

The same artifact/course *may* be used to show competency for multiple concepts; however, the written rationale for portfolio artifacts must be specifically aligned to the concept in that row. If you are submitting a portfolio, multiple pieces of evidence are encouraged per row.

**Mathematics:**

* Coursework: Minimum of B-; syllabi and officialtranscript required
* Portfolio: Artifacts demonstrating attainment of standards outlined below

\*\*\* If you hold a bachelor’s degree or higher in Math, you may submit your application in COOL without doing Multiple Measures.

\*\*\* If you have 24 semester hours of coursework as identified on the [Secondary Math Endorsement Worksheet](https://www.cde.state.co.us/cdeprof/endorsementrequirements), you may submit your application in COOL without doing Multiple Measures.

## **Secondary Mathematics**

### **Number & Quantity and Algebra:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)****AND****Rationale** |
| --- | --- | --- |
| Number sense, properties, and operations | Click or tap here to enter text. | Click or tap here to enter text. |
| Algebra | Click or tap here to enter text. | Click or tap here to enter text. |
| Radical and rational exponents | Click or tap here to enter text. | Click or tap here to enter text. |
| Quantitative reasoning | Click or tap here to enter text. | Click or tap here to enter text. |
| Measurement | Click or tap here to enter text. | Click or tap here to enter text. |
| Varied techniques used to solve equations and inequalities | Click or tap here to enter text. | Click or tap here to enter text. |

### **Functions and Calculus:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)****AND****Rationale** |
| --- | --- | --- |
| Functions and function notation | Click or tap here to enter text. | Click or tap here to enter text. |
| Linear, quadratic, and exponential models | Click or tap here to enter text. | Click or tap here to enter text. |
| Derivatives | Click or tap here to enter text. | Click or tap here to enter text. |
| Compute limits of functions | Click or tap here to enter text. | Click or tap here to enter text. |
| Differentiation and integration techniques | Click or tap here to enter text. | Click or tap here to enter text. |

### **Geometry:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)****AND****Rationale** |
| --- | --- | --- |
| Shape, dimension, and geometric relationships | Click or tap here to enter text. | Click or tap here to enter text. |
| Geometric theorems | Click or tap here to enter text. | Click or tap here to enter text. |
| Trigonometry | Click or tap here to enter text. | Click or tap here to enter text. |

### **Statistics and Probability:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)****AND****Rationale** |
| --- | --- | --- |
| Make inferences and justify conclusions | Click or tap here to enter text. | Click or tap here to enter text. |
| Data analysis on single variables and two variables | Click or tap here to enter text. | Click or tap here to enter text. |
| Compute probabilities | Click or tap here to enter text. | Click or tap here to enter text. |

08.01.2025 | Determination of qualification will be made by CDE upon evaluation of a complete submission