

## Creating an Assessment in Variate

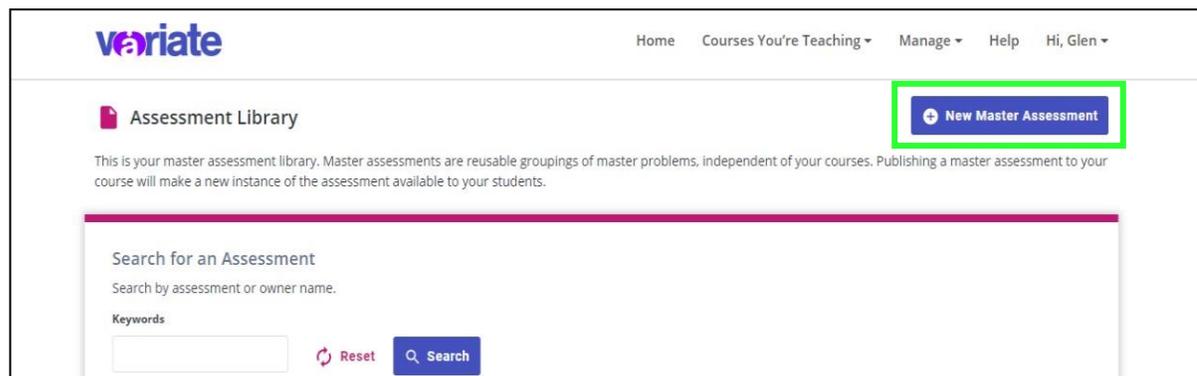
When creating an assessment, there are various settings that can be adjusted to best fit your course. This will allow you to create a variety of assessments ranging from optional practice problems to timed exams.

### Prerequisites

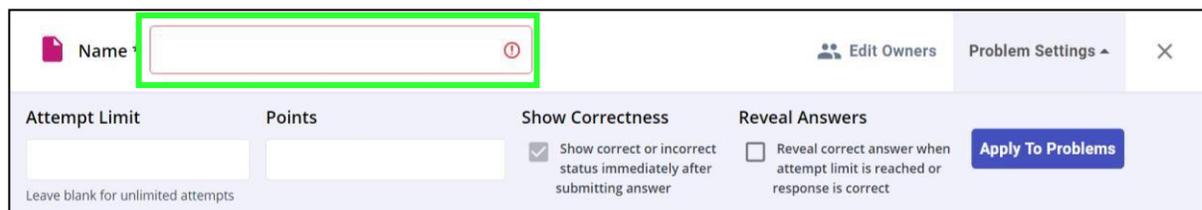
1. **Navigate** to Variate in a web browser, either through your existing [Brightspace course](#) with a Variate external learning tool link, or by using a direct link to [Variate](#). **Log in** using your Purdue Career Account credentials.
2. **Navigate** to the “Manage” tab on the upper right-hand side of the page. **Select** “Assessments” from the drop-down menu.

### Creating a New Master Assessment

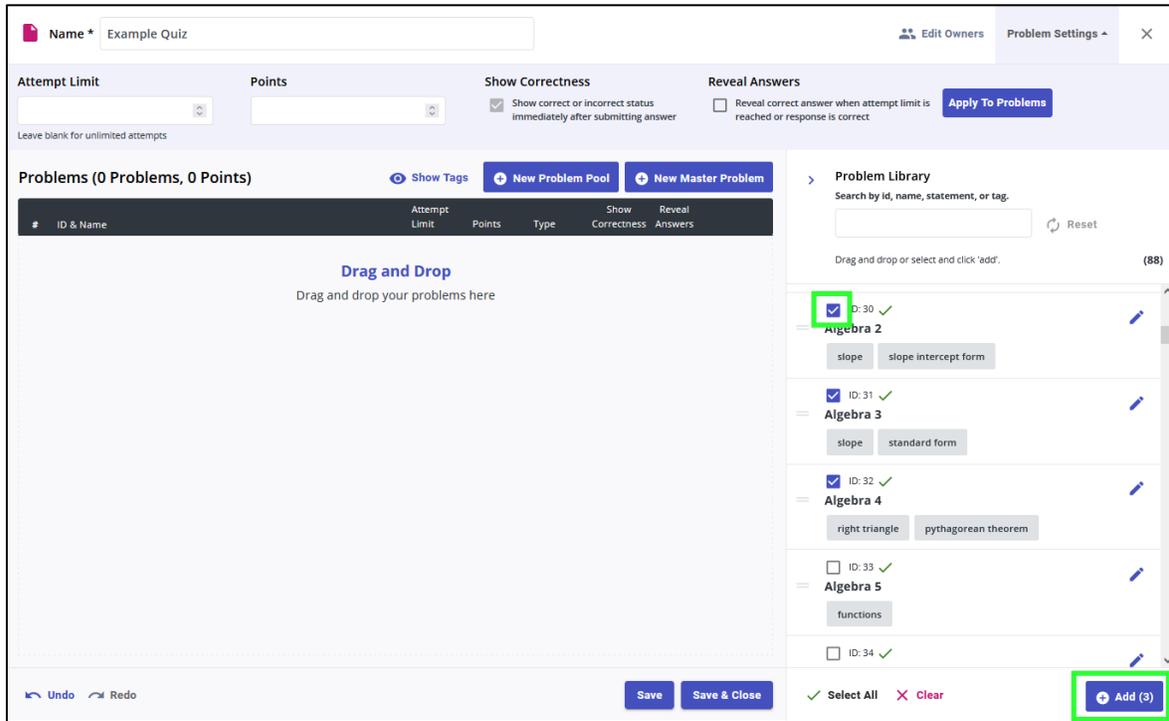
1. **Click** the “New Master Assessment” button on the upper right-hand side of the Assessment Library page.



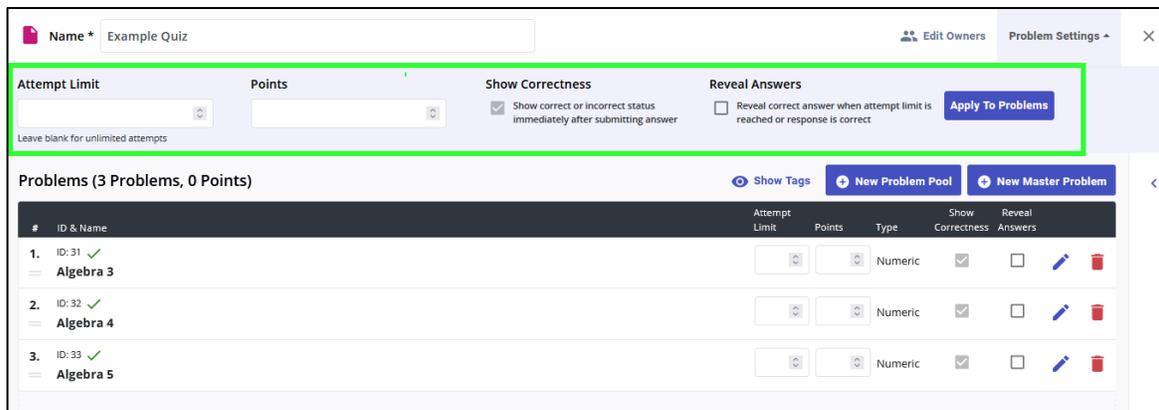
2. Along the top of the assessment creation window, a space is provided to **name** the assessment you are creating.



After naming the assessment, you can begin populating the assessment with problems from the “Problem Library” on the right side of the screen. This can be done by **clicking** a problem and dragging it to the left or by **selecting** the check box on the problems you wish to include and then **clicking** “Add”.



- After selecting problems, you may adjust how many attempts are allowed per problem as well as how many points will be awarded for a correct answer. These options are available at the top of the page under “Problem Settings”. Additionally, you can set if students will be shown whether or not their submission was correct by **selecting** “Show Correctness” (see notes below). You may also allow the correct answer to be shown after the student has exhausted all attempts by **selecting** “Reveal Answers” (see notes below). Be sure to **click** “Apply to Problems” before continuing.



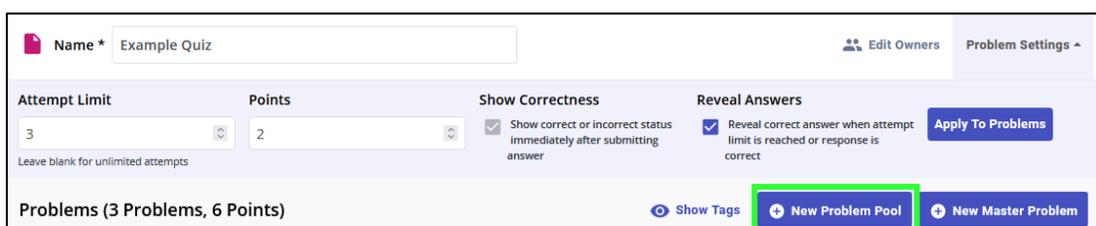
**NOTE:** If you wish for a certain problem to allow a different number of attempts than the others, you can manually enter how many attempts you want by finding that problem in the list and changing the attempt limit listed. This can also be done to change how many points will be awarded for an individual problem.

**Show Correctness:** Variate allows students to see their attempt history. The Show Correctness setting controls whether students see that their submitted attempts were correct or incorrect. When

disabled, Variate will only display that an answer was submitted. This setting is automatically enabled when a problem allows for more than one attempt or if the Reveal Answers setting is enabled.

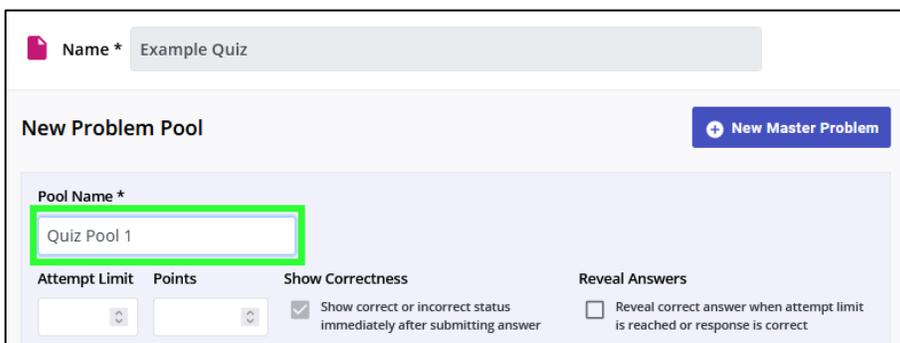
**Reveal Answers:** Variate lets you decide whether to show the correct answer for a problem once a student runs out of attempts. If the student gets the right answer, Variate will still display the saved correct answer in case they don't exactly match up due to tolerance. This is particularly helpful for problems with multiple parts where one part depends on the answer of a previous part. This setting only affects assessments while they are open. Once the end date is reached, all correct answers will be shown regardless of this being selected.

4. You may also create a problem pool within an assessment from which each student will be assigned a single problem from the pool at random. **Click** on the “New Problem Pool” button to open the problem pool edit window.



The screenshot shows the main assessment settings interface. At the top, there is a 'Name' field with the value 'Example Quiz'. Below this are four columns of settings: 'Attempt Limit' (3), 'Points' (2), 'Show Correctness' (checked), and 'Reveal Answers' (checked). There is an 'Apply To Problems' button. At the bottom, there are three buttons: 'Show Tags', 'New Problem Pool' (highlighted with a green box), and 'New Master Problem'. The text 'Problems (3 Problems, 6 Points)' is visible on the left.

Along the top of the problem pool creation window, a space is provided to name the problem pool you are creating.



The screenshot shows the 'New Problem Pool' creation window. At the top, there is a 'Name' field with the value 'Example Quiz'. Below this is a 'New Problem Pool' section with a 'New Master Problem' button. The 'Pool Name' field contains 'Quiz Pool 1' and is highlighted with a green box. Below this are four columns of settings: 'Attempt Limit' (empty), 'Points' (empty), 'Show Correctness' (checked), and 'Reveal Answers' (unchecked).

Just like with the main assessment, you can populate the pool with problems from the “Problem Library”. This can be done by clicking a problem and dragging it to the left or by checking the selection box on the problems you wish to include and then clicking “Add”. A problem pool will inherit any attempt limit and points from the main assessment, but you will be able to make changes to the pool as needed. Click **Save** to save the problem pool into the master assessment.

Name \* Example Quiz

### New Problem Pool

Pool Name \*  
Quiz Pool 1

Attempt Limit:  Points:

Show Correctness:  Show correct or incorrect status immediately after submitting answer

Reveal Answers:  Reveal correct answer when attempt limit is reached or response is correct

ID & Name	Type
ID: 35 ✓ Algebra 7	Numeric
ID: 36 ✓ Algebra 8	Numeric

Problem Library

Search by id, name, statement, or tag.  Reset

Drag and drop or select and click 'add'. (88)

- ID: 33 ✓ Algebra 5 (functions)
- ID: 34 ✓ Algebra 6 (perimeter)
- ID: 35 ✓ Algebra 7 (equations)
- ID: 36 ✓ Algebra 8 (proportions)
- ID: 37 ✓ Algebra 9 (simple interest)
- ID: 38 ✓

Undo Redo Cancel Save Pool Select All Clear Add (1)

The problem pool will be marked in the master assessment problem list with a three wavy line symbol.

Problems (4 Problems, 8 Points) Show Tags New Problem Pool New Master Problem

#	ID & Name	Attempt Limit	Points	Type	Show Correctness	Reveal Answers
1.	ID: 31 ✓ Algebra 3	3	2	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	ID: 32 ✓ Algebra 4	3	2	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	ID: 33 ✓ Algebra 5	3	2	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Problem Pool ✓  Quiz Pool 1	3	2	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Show Problems (3) v

- Save your changes.** Once you have finished adding problems, problem pools, and adjusting the settings, be sure to save the new master assessment.

Name \*

Edit Owners Problem Settings

Attempt Limit:  Points:

Show Correctness:  Show correct or incorrect status immediately after submitting answer

Reveal Answers:  Reveal correct answer when attempt limit is reached or response is correct

Apply To Problems

Problems (4 Problems, 8 Points) Show Tags New Problem Pool New Master Problem

#	ID & Name	Attempt Limit	Points	Type	Show Correctness	Reveal Answers
1.	ID: 31 ✓ Algebra 3	<input type="text" value="3"/>	<input type="text" value="2"/>	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	ID: 32 ✓ Algebra 4	<input type="text" value="3"/>	<input type="text" value="2"/>	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	ID: 33 ✓ Algebra 5	<input type="text" value="3"/>	<input type="text" value="2"/>	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Problem Pool ✓ Quiz Pool 1	<input type="text" value="3"/>	<input type="text" value="2"/>	Numeric	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Show Problems (3)

Undo Redo Save Save & Close

Problem Library

Search by id, name, statement, or tag. Reset

Drag and drop or select and click 'add'. (88)

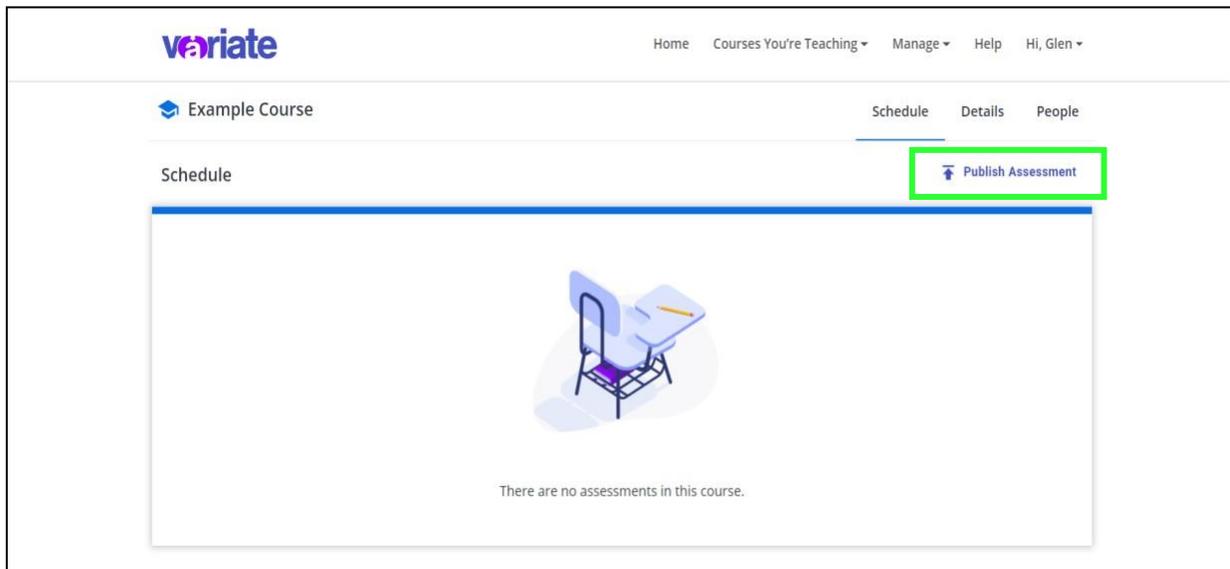
- ID: 34 ✓ Algebra 6 perimeter
- ID: 35 ✓ Algebra 7 equations
- ID: 36 ✓ Algebra 8 proportions
- ID: 37 ✓ Algebra 9 simple interest
- ID: 38 ✓ Algebra 10

Select All Clear Add

**Note:** Saving a master assessment will not make it visible to students. See the next section “Publishing an Assessment” to learn how to allow student access.

## Publishing an Assessment

1. In Variate, **navigate** to the “Courses You’re Teaching” tab and select the course where you wish to publish the assessment. (You can also publish an assessment from your Brightspace course. See the ‘Add an LTI Link to a Variate Assessment’ section in the [Variate Integration with Brightspace](#) job aid for more information.)
2. From the course’s “Schedule” page, select “Publish Assessment”.



**NOTE:** The “Schedule” page will not show any assessments until you have published one.

3. **Select** the master assessment you would like to publish from the list provided.
4. In the following window, **edit** the assessment’s settings. Set the dates and times the assessment will be available to students.

By default, scores are released automatically after the assessment end date but you can set a different date if desired.

An optional timer can be used to enforce a time limit on the assessment. A score release date is required for timed assessments.

**NOTE:** After publishing a timed assessment, editing the time limit is not allowed in order to protect students who may have already started the assessment. If the assessment has not started and you need to change the time limit, you may need to cancel the assessment and re-publish.

Once all settings have been adjusted, **publish** the assessment.

**Publish Assessment in Example Course** ✕

\* Indicates required field

**Name**

Example Quiz ✓

If not provided, defaults to "Example Quiz"

**Availability**

Start Date Time (EST)

02/03/2021 09:00 AM ⌚ ✕

End Date \* Time (EST) \*

02/03/2021 11:59 PM ⌚ ✕

**Timer**

Enforced Time Limit

Hours Minutes

1 30

Students may start a timed assessment at any time during the availability period and the assessment will remain visible to them until the full time limit has elapsed.

i Editing the timer is not allowed after publishing. [Learn more about setting a timer.](#)

**Score Release**

Date \* Time (EST) \*

02/04/2021 08:00 AM ⌚ ✕

i When you publish, your **Master Assessment** and all of the **Master Problems** it contains **will be copied**.

Cancel Publish

**NOTE:** Publishing an assessment will make a copy of the master assessment and all its problems. If you need to make edits to a published assessment, see the job aid “Editing a Published Variate Assessment” to learn how to do so properly.

### Creating Timer Accommodations

1. When assigning a timed assessment, timer accommodations can be made for students who need a higher allotment of time to complete their assessments. To do this, **navigate** to the “Courses You’re Teaching” tab and select the course where you wish to make timer accommodations.
2. **Select** the “People” tab on the course’s page. Then, **select** “Timer Accommodations”.

The screenshot shows the variate interface for course DEV-EXMP 101. The navigation bar includes 'Home', 'Courses You're Teaching', 'Courses You're Taking', 'Manage', 'Help', and 'Hi, Debora'. Below the course name, there are tabs for 'Schedule', 'Details', and 'People'. The 'People' tab is active. A 'Timer Accommodations' link is highlighted with a green box.

3. **Search** the name of the student who requires the accommodation. Then, **select** a multiplier for their time limit. Then, **click** “Add”. Once you have added an accommodation, it will appear on the list below.
- 4.

The screenshot shows the 'Timer Accommodations' modal window. It includes a title bar with a close button (X). Below the title is the heading 'Add Timer Accommodations' and a sub-heading 'Grant students an extended timer on all timed assessments in this course.' An information banner states: 'Score release dates will be updated on any current or upcoming timed assessments to respect student accommodations.' The form has two main fields: 'Student \*' with a dropdown menu showing 'Michele Rund' and a green checkmark, and 'Multiplier \*' with a dropdown menu showing '1.5x' and a blue '+ Add' button. Below the form is a table with columns: 'FIRST NAME', 'LAST NAME', 'EMAIL', and 'MULTIPLIER'. Each column has a search input field. The 'MULTIPLIER' column has a 'Show All' dropdown. At the bottom, a message states: 'There are no timer multipliers in this course.'

**Accommodations will continue to apply on all timed assessments in the course until they are removed.**