

Canvas Assessment Writing Support

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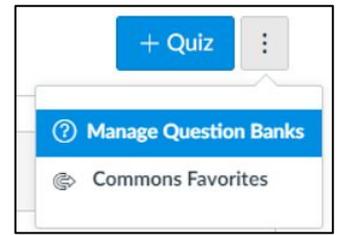
Agenda

- Canvas Test Banks - Pros and Cons
- Copying and moving questions - I can do that?
- What are my options?
- Getting creative

Canvas Test Banks

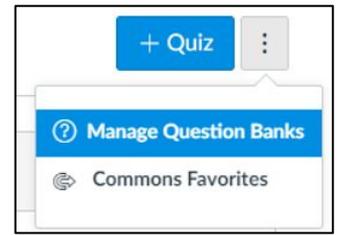
Pros

- Create test banks based on objectives(including SLOs) with multiple questions of similar difficulty to pull from.
- Create test banks that represent different versions of tests to randomize the order the questions appear if you would like your questions to be static.
- Blend the two suggestions above together since you can add the test banks to your quiz in any order.
- If you need to modify or fix a question, you can do so in the question bank without having to modify your actual test.
- Write questions in your Sandbox's Question Banks and link to these from your semester courses.



Canvas Test Banks

Cons



- Copying a test from one course to the next does not maintain the bank link unless your banks are kept in your Sandbox or another Master Course.
- Each question must be of one question type, so some creative solutions are necessary.
- Need to remember to activate bookmark on a question bank so you can see it while in another course when adding banks to a quiz.

Copying and moving questions - I can do that?

- Move multiple questions -
 - Click on “move multiple questions” on the right hand side menu.
 - Select the questions you wish to move.
 - Note: Though it says you can move/copy multiple questions it only lets you move questions here. There is another way to copy questions.
 - Select the question bank you wish to move the questions to or create a new question bank. If you wish to create a new question bank, you will be prompted to enter the new name before you move your questions.
- Move/copy individual questions to another bank -
 - Click move/copy on the individual question you want to move.
 - Follow the steps above.
 - You will see a checked box noting a copy of this question will be left in the current question bank as well. Uncheck if you wish to move it only.

Copying questions - part II

- Copy questions into the same bank -
 - To do this we need to go into the html editor
 - Why? It keeps any formatting you have and it keeps objects such as equations, pictures, tables in place whereas the design view copying does not.
 - Click the pencil in the upper right corner of the question
 - Under the question box click on “</>”. This will take you to the html editor.
 - There are two html editors. The first one is called the pretty html editor. The second is the raw html editor. I prefer to copy directly from the raw html editor, but either is fine.
 - Highlight all the text and hold the ctrl button and the c button. This copies the text for you.
 - Click on “</>” again to take you back to the rich text editor
 - Click “cancel”.
 - This step is important especially if you are worried that you might have accidentally changed the original question in some way.

Copying questions - part II

- Copy questions into the same bank - continued
 - Click “Add a Question”
 - Scroll down to the new question and click on “</>”.
 - Hold the ctrl button and v to paste the copied question.
 - Click on the “</>”.
 - Edit your new question to reflect any updates.
 - Note: when adding a new question, the question type automatically reverts to “Multiple Choice” so make sure you select the correct question type.
 - Click Update Question.
 - You can repeat this process for as many variations of the same type of question as you like.
- If you have a question with multiple or complex answers and you do not wish to rewrite all the answers, it would be best to use the Move/Copy feature shown on slide 5. More on this later.

What are my options?

- True/False and multiple choice
- Fill in the blank and Fill in Multiple Blanks
- Multiple Drop Down
- Formula
- Numerical
- Matching
- Multiple Answer
- Essay
- File Upload Question

True/False and Multiple Choice -

The Suprachiasmatic nucleus or SCN regulates sleep and wake cycles and is found in the Thalamus.

True

False

Imbalances of this neurotransmitter affects cognition and memory.

Acetylcholine

Serotonin

GABA

Dopamine

- Can insert media, tables, images, etc.
- For T/F questions you can enter comments based on correct or incorrect answers as well as general comments.

Shortcomings:

- Choices are static. You can make the question more dynamic by choosing “Shuffle Answers” under the Quiz Options, but this affects all of the questions on the test.

Answers:



Correct Answer

Acetylcholine



Possible Answer

Serotonin



Possible Answer

GABA



Possible Answer

Dopamine



For quick feedback to students, add in comments for each answer or general comments for the question.

Fill in the blank and Fill in Multiple Blanks -

Based on example two regarding the Tax Returns, please fill in the following information.

The number of 1976 tax returns that designated \$3 for the campaign is .

The number of recent tax returns that designated \$3 for the campaign is .

\bar{p} (or p-bar) = . (Type answer as a fraction. For example two-thirds is 2/3. No spaces.)

\bar{q} (or q-bar) = . (Type answer as a fraction. For example two-thirds is 2/3. No spaces.)

The Test Statistic (z) is . (Round your answer to two decimal places.)

- Great for multi-part questions.

Shortcomings:

- Typed answer must match exactly.
 - 0.1 is not the same as .1
 - Must think of all variations.
 - Case sensitive
- Too many fill-in the blank in one question can sometimes cause the answer links to break.

Multiple Drop Down -

To make our decision regarding the null hypothesis, we have two methods: Traditional and P-value.

For the traditional method:

If the test statistic is in the critical region then we .

If the test statistic is NOT in the critical region then we .

For the p-value method:

If the p-value is less than or equal to the significance level (alpha) then we

.

If the p-value is greater than the significance level (alpha) then we .

Good for questions where you want a sentence completed.

Formula -

- Allows for randomization of values.
- Create multiple version with different value range.

Ord Op Agr w/ Int - a

Evaluate the following expression.

$$-[a]^2 + |[b] \cdot ([c])|$$

Answers:

Variable Definitions

Once you have entered your variables above, you should see them listed here. You can specify the range of possible values for variable below.

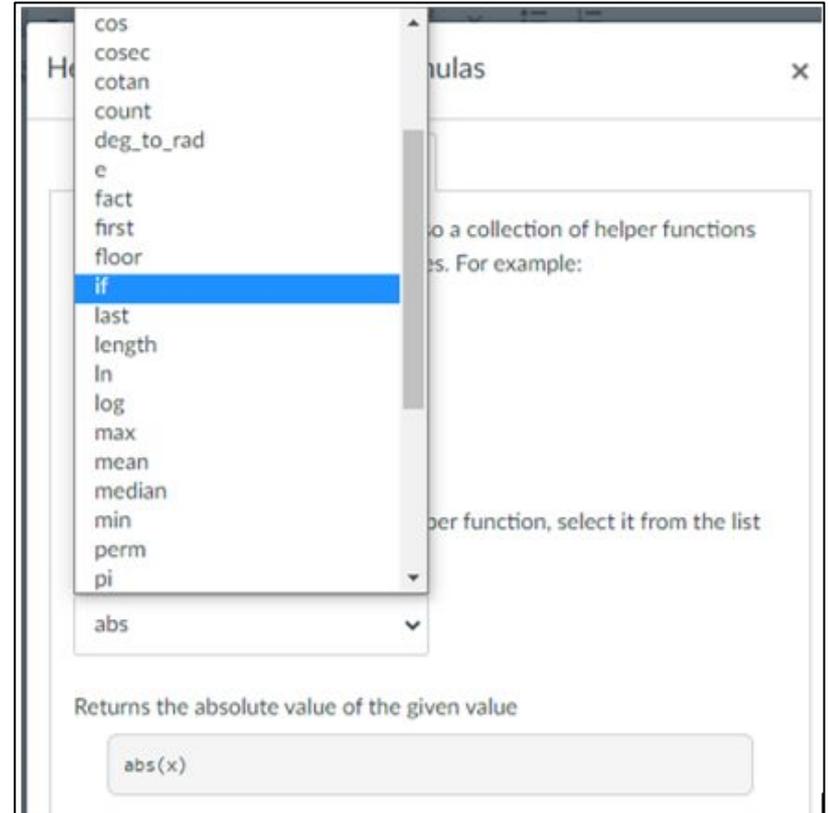
Variable	Min	Max	Decimal Places	Example Value
a	<input type="text" value="2"/>	<input type="text" value="15"/>	<input type="text" value="0"/> ▼	3
b	<input type="text" value="2"/>	<input type="text" value="15"/>	<input type="text" value="0"/> ▼	11
c	<input type="text" value="-15"/>	<input type="text" value="-2"/>	<input type="text" value="0"/> ▼	-7

Shortcomings:

- Only accepts one numerical answer.
- Can't use randomized inputs to create a randomized output in the question.
- Can't force "pretty" questions.
- Decimal point display is not the same as rounding to that decimal place.
- True rounding using a function only rounds to a whole number.

Formula -

- Has a “Need help?” menu built into the question that has a list of useful functions for all levels of math.



Numerical -

- Accepts all forms of the equivalent answer.
- Can build in a margin of error for an exact answer.
- Can accept an answer in a range of values.
- Can check for precision in an answer.

Shortcomings:

- Will only accept one numerical answer.

Using a standard normal distribution, find the following. **If using a calculator, round your answer to four decimal places.**

$$P(-0.50 < z < 0.50)$$

Matching -

We looked at the possible outcomes to conducting a hypothesis test. There are two outcomes that we would like to see happen, but there are also two possible outcomes based on errors. We used the example about carbon monoxide detectors to describe what these outcomes would look like. Match the Outcome on the left with the what this looks like for that example on the right.

Type I Error: Reject H_0 when H_0 is true.

[Choose]

Reject H_0 when H_0 is false.

[Choose]

We don't fund the program, but the proportion of households with detectors is less than half.
We fund the program because we are reasonably sure that the proportion of households with detectors is less than half.
The proportion of households with detectors is not less than half so we don't fund the program.
The proportion of households with detectors is not less than half but we fund the program.

Do not reject H_0 when H_0 is true.

[Choose]

Type II Error: Do not reject H_0 when H_0 is false

[Choose]

Shortcomings:

- The answer boxes only allow text.

Matching -

Using example 1 regarding the Rhino Virus experiment, please match the values on the left to their corresponding value on the right.

A. H_0 :	1. $p_1 = p_2$
B. H_1 :	2. $p_1 \neq p_2$ (not equal)
C. The Claim...	3. $p_1 < p_2$
	4. $p_1 > p_2$
	5. $p_1 \leq p_2$ (is less than or equal to)
	6. $p_1 \geq p_2$ (is greater than or equal to)
	7. ...is H_0
	8. ...is H_1

A

[Choose]



B

[Choose]



C

[Choose]



Can create a table that uses special characters in the the directions and letter/number combinations for the matching part.

Multiple Answers -

From the list below, check the values that meet the following criteria:

Measure of Center and affected by outliers.

Variance

Midrange

Median

Percentile

Mode

Z-score

Standard Deviation

Mean

Range

Quartile

Great for concept questions.

Answer options use the text editor so equations and pictures can be used.

Essay -

Essay questions allow for use of the equation editor

Solving Rational Formula for a variable - a	1 pts
Solve $M = \frac{cw}{c+w}$ for w .	
(Neatly show all steps of your work on your test paper. Use the equation editor in the answer box below to give your final answer.)	
move/copy question to another bank	

- Great for question types where there is a non-numerical answer.
- Great for questions where the “text entry” option doesn’t allow for complexity of the answer.
- Great for questions where you want them to explain their steps and symbols are involved.

Shortcoming:

- Remains ungraded until your review it.

Essay -



Question 20

1 pts

Solve $M = \frac{cw}{c+w}$ for w .

(Neatly show all steps of your work on your test paper. Use the equation editor in the answer box below to give your final answer.)

Edit View Insert Format Tools Table

12pt Paragraph | **B** *I* U **A** \top^2 |

| | | More...

p

| 0 words |

In addition to the equation editor, you can have students insert media, embed a YouTube video, insert a table and more.

Essay -

Essay questions also allow for students to lock in an answer before submission of the test.

Given the equation.

$$y = \frac{1}{4}x - 3$$

a: Create the following table on your test paper.

Table of Values

x	y
-4	
0	
4	
8	

Determine the corresponding y-value for each x-value given in the table. (In the text box below, type the resulting four ordered pairs with coordinates written as integers or simplified fractions.)

b: On your test papers, neatly draw and label a set of axes, then graph the equation. (In the text box below, describe your resulting graph as vertical, horizontal, climbing left-to-right, or falling left-to-right.)

- Good for a proctored test where work will be turned in after the test is submitted.

File Upload Question -

Allow students to upload files of all types. Example: Reflection Question

Question 9	20 pts
<p>Please also take a moment to summarize what you learned in this section as part of your summary collection. Remember to:</p>	
<ul style="list-style-type: none">• Include the useful formulas and what their inputs mean.• Include the vocabulary and their definitions. You may want to include an example to go along with it.• Include the techniques or "how to's" that you should remember.• You're not just mentioning these items. You want to create something that could be useful for working on the homework and/or studying for a test, a study guide.	
<p>Scan the resulting summary sheet and upload it as a pdf.</p>	
<p>Once you click submit on this assignment, please take a moment to add any questions you may have to the comments section. I'll get a notification of you question and can reply back. Please reference the example number or topic and give me a short summary of what your confusion is for that topic.</p>	
Upload	<input type="button" value="Choose a File"/>

Shortcomings:

- Can't specify file type like an upload assignment.
- Can't upload multiple files.

File Upload Question -

Please also take a moment to summarize what you learned in this section as part of your summary collection. Remember to:

- Include the useful formulas and what their inputs mean.
- Include the vocabulary and their definitions. You may want to include an example to go along with it.
- Include the techniques or "how to's" that you should remember.
- You're not just mentioning these items. **You want to create something that could be useful for working on the homework and/or studying for a test, a study guide.**

Scan the resulting summary sheet and upload it as a pdf.

Once you click submit on this assignment, please take a moment to add any questions you may have to the comments section. I'll get a notification of you question and can reply back. Please reference the example number or topic and give me a short summary of what your confusion is for that topic.



< File upload will appear here when viewed in speed graded.

Getting Creative

Let's write a few questions together. Suggestions?

Thank you for coming!
Now, let's get some question
writing done.

Please fill out the survey when you have a moment.

<https://forms.gle/FJZwMdA6GCPqLxPbA>