

CALCULUS



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General Tools

Algebra Tiles (CPM)

This tutorial describes how to use the Algebra Tiles including additional features.

Click on the link below to access eTool.

[Algebra Tiles \(CPM\)](#)

1. The top bar has three main parts: Pen & Paper Icon, '?' Icon, and the Arrow Icon.

1. Select the Pen & Paper Icon to:

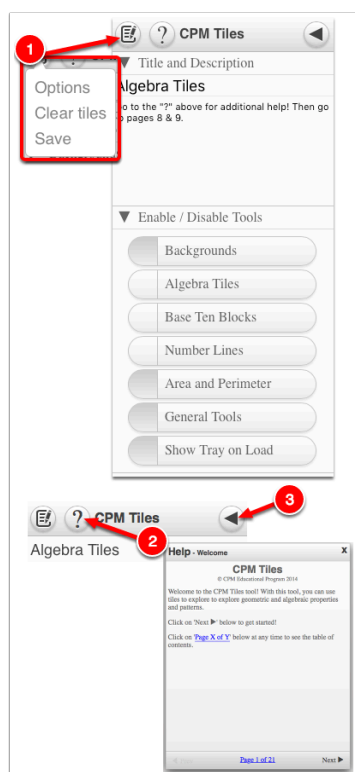
Options - Add Title and Description and Enable/Disable Tools.

Clear Tiles - This will remove all the tiles that are in the tile area.

Save - This will save all the changes made.

2. Select the '?' icon for directions.

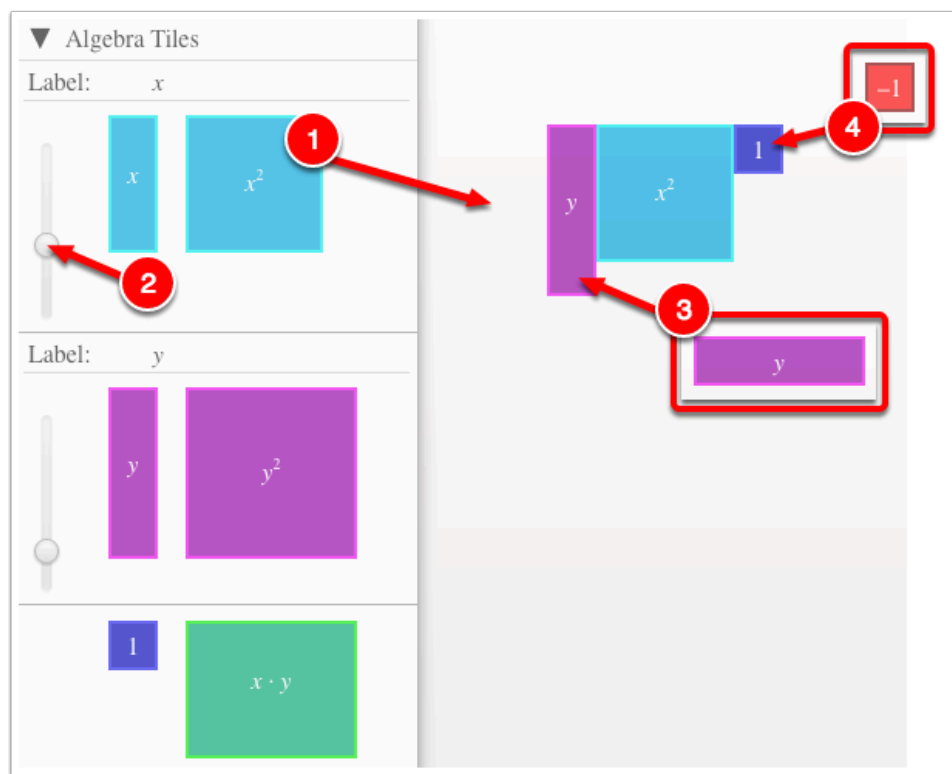
3. Select the Arrow Icon at the right to open and close the tray.



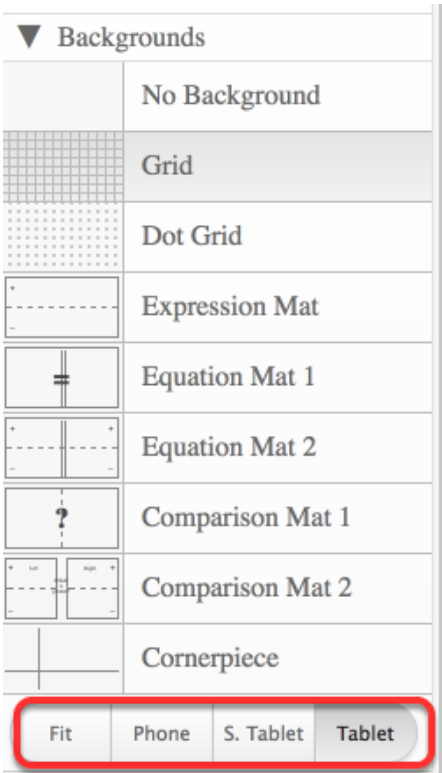
2. Drag tiles from the tray at the left to the display area at the right.

1. Select one of the tiles and drag it to the tile area.

2. Use the sliders in the tray to change the size of the tiles.
3. Double click tiles to change orientation (horizontal/vertical).
4. Click on a tile once to change the sign (+ -).
Note: The color of the tile will turn to red for negative sign.

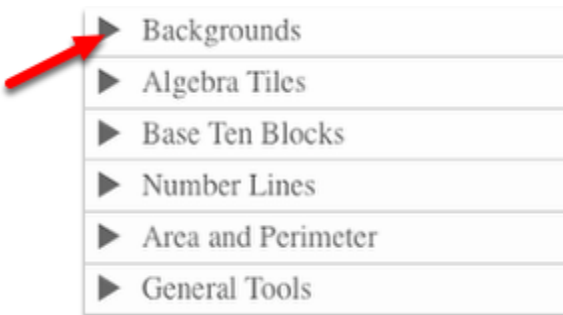


3. Choose from a variety of different mats. Also choose from a variety of sizes to fit on various devices.



4. Choose from a variety of different tiles:

- Click the arrow next to the tool to view/hide the options for each tool.



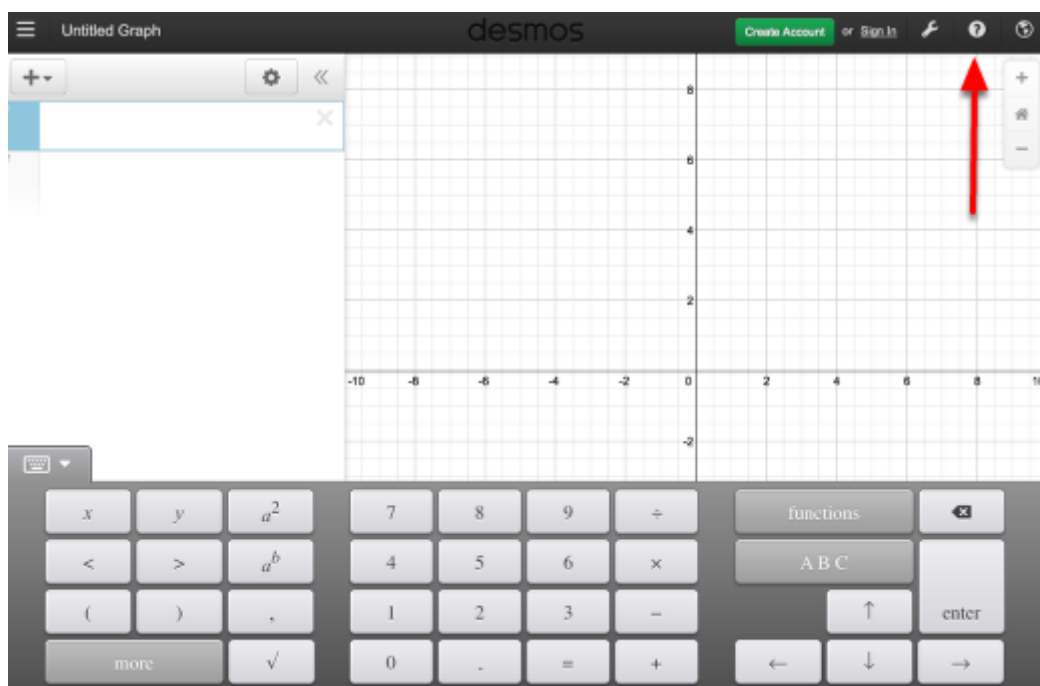
Desmos Graphing Calculator

This free graphing calculator allows students to create a free account to save all of their graphs, animations, and projects created.

Click on the "Desmos Graphing Calculator" link below.

[Desmos Graphing Calculator](#)

1. Click on all of the buttons. Try it out! For extra help, click the "?".



2. Click on the interactive tours below for help to create:

[Sliders](#)

[Tables](#)

[Advanced Tables](#)

[Restrictions](#)

3. The interactive tours will NOT let you make a mistake! Try the links above!

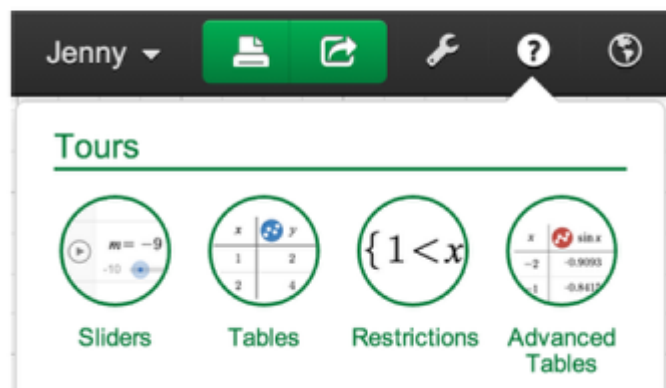
Interactive Tours



Team Desmos

posted this on December 29, 2013 22:13

Try one (or all!) of the interactive tours to learn more about sliders, tables, restrictions, and more:



4. Need additional help? Watch these very short excellent videos!

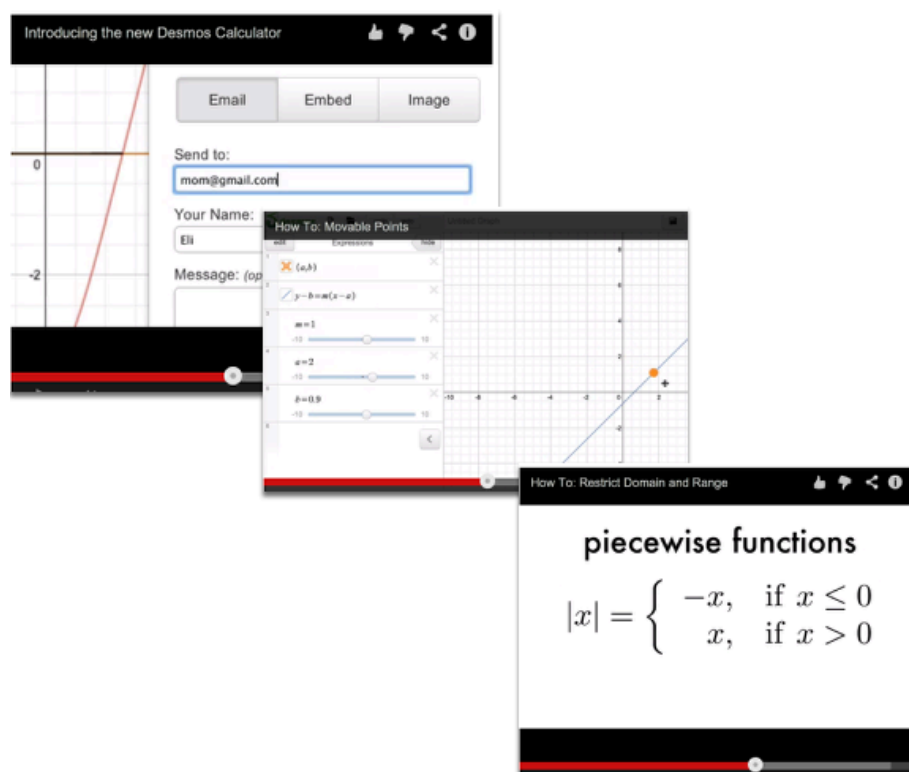
[Desmos Introduction](#)

[Moveable Points](#)

[Graph Inequalities](#)

[Piece-Wise Function](#)

5. The video links will help you with many of your graphing projects!



6. If you still need help, check out Desmos "Knowledge Base"

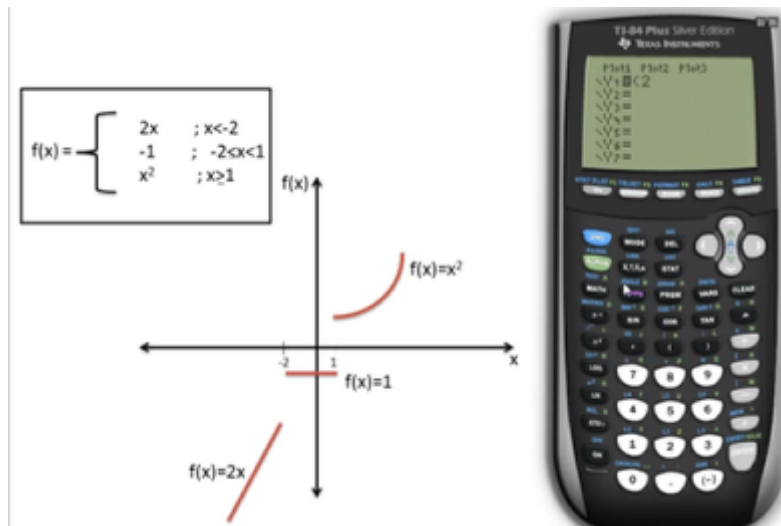
[Desmos Knowledge Base](#)

Piecewise Functions for TI-84 and Desmos Videos

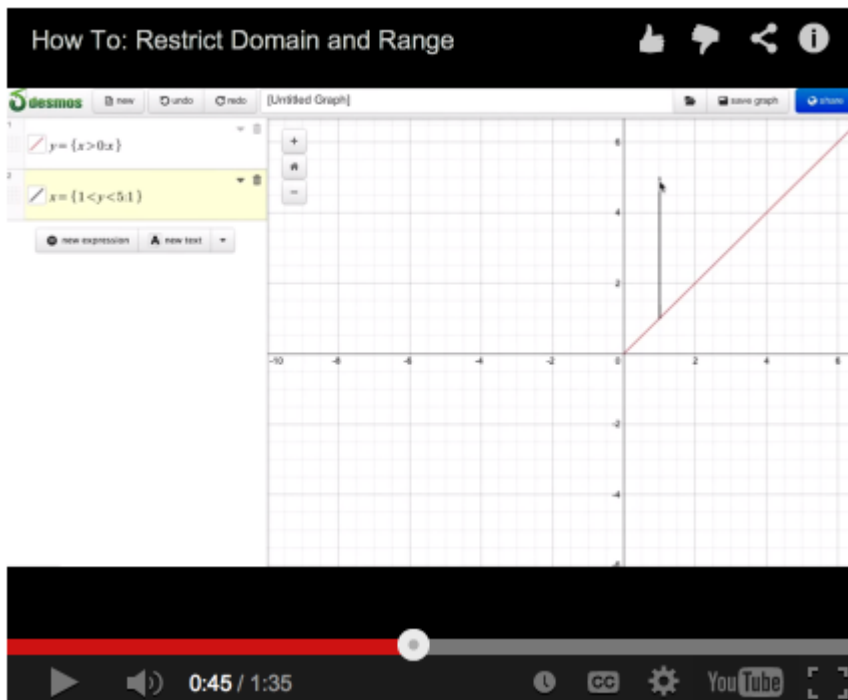
Click on the link below for the "Piecewise Functions for TI-84 and Desmos Videos"

[Piecewise Functions for TI-84 Video](#) 
[Piecewise Functions for Desmos Video](#) 

1. Mike Gaffney You Tube Video:



2. Desmos video:



Chapter 1

Calculus 1.2.1: 1-15 & 1-18 Student eTools

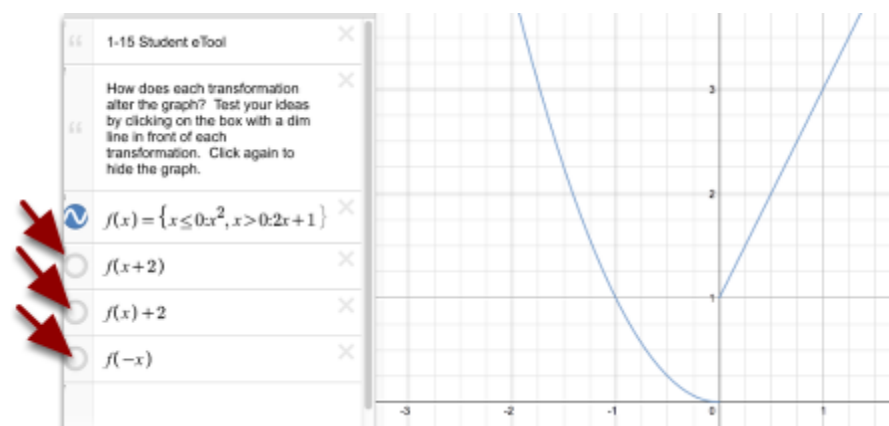
Click on the links below.

[1-15 Student eTool \(Desmos\)](#)

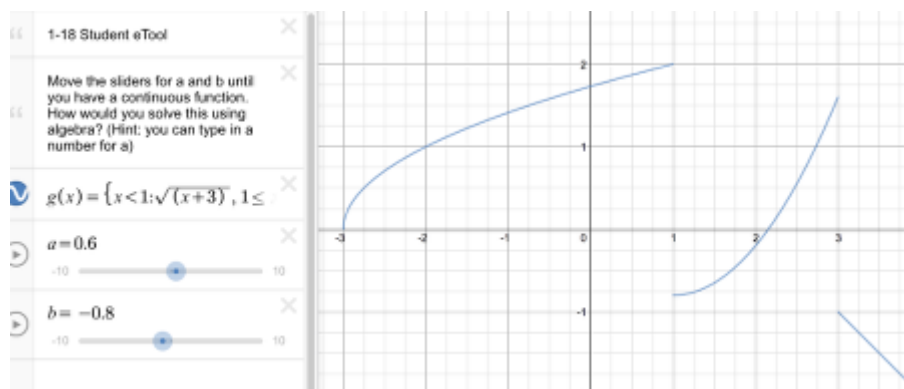
[1-18 Student eTool \(Desmos\)](#)

1. Calculus 1-15:

Click on the circles in front of the functions to view.



2. Calculus 1-18:



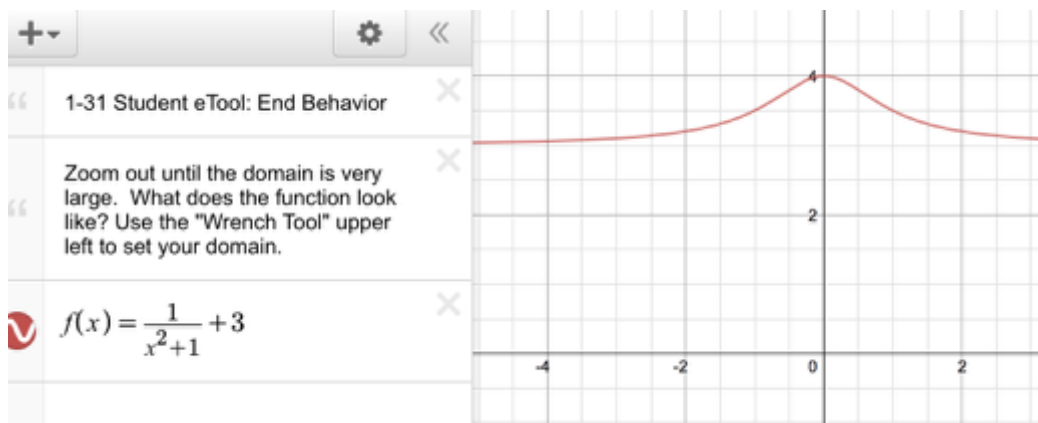
Calculus 1.2.2: 1-31 & 1-32 Student eTools

Click on the links below.

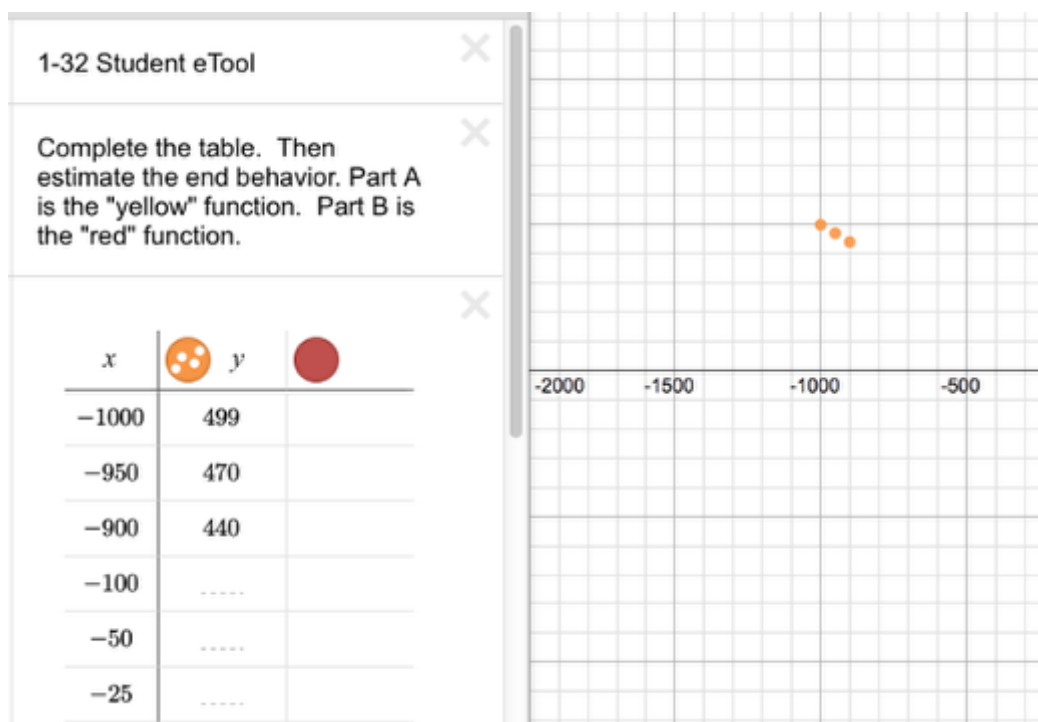
[1-31 Student eTool \(Desmos\)](#)

[1-32 Student eTool \(Desmos\)](#)

1. Calculus 1-31:



2. Calculus 1-32:



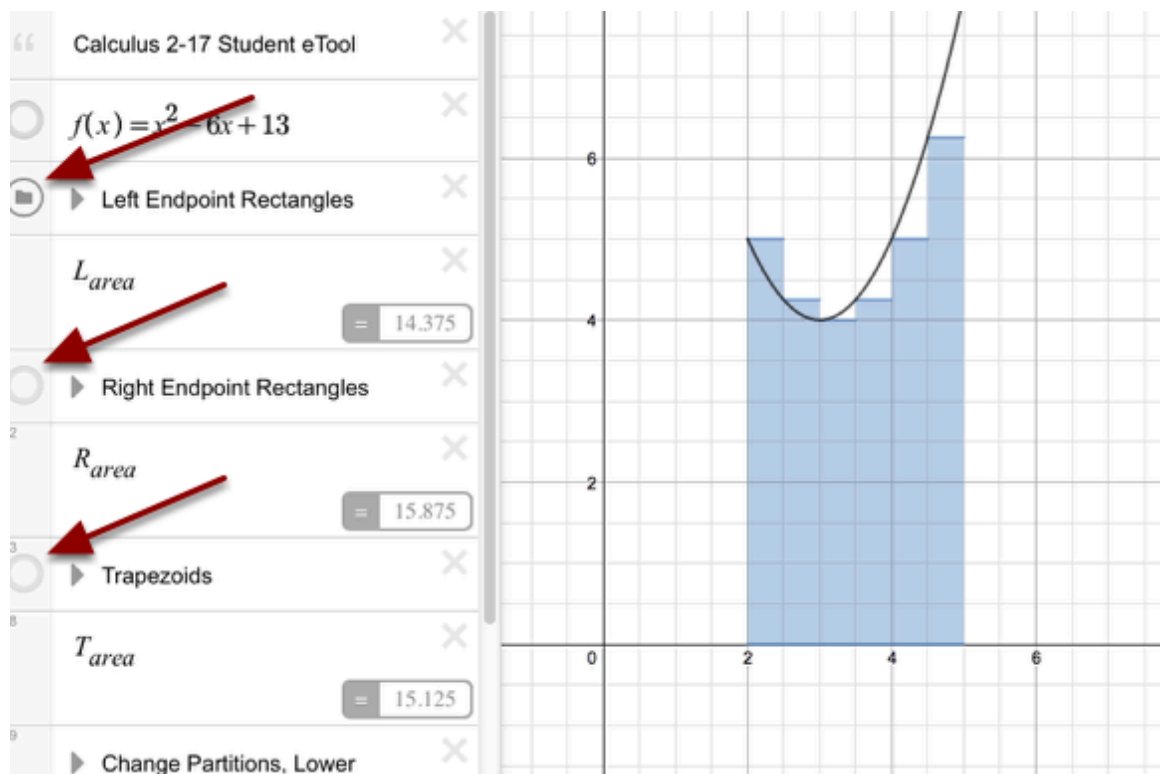
Chapter 2

Calculus 2.1.2: 2-17 Student eTool

Click the link below.

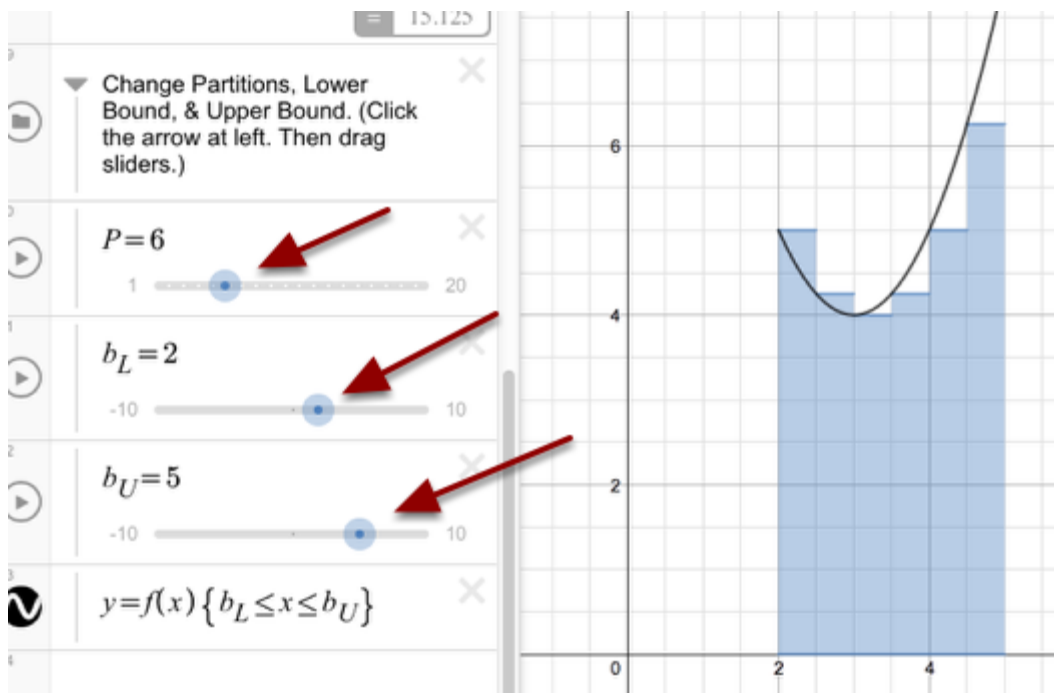
[2-17 Student eTool \(Desmos\)](#)

1. Click the circles at the left to change views.



2. Move the sliders to change:

- The Number of Partitions
- The Lower Bound
- The Upper Bound

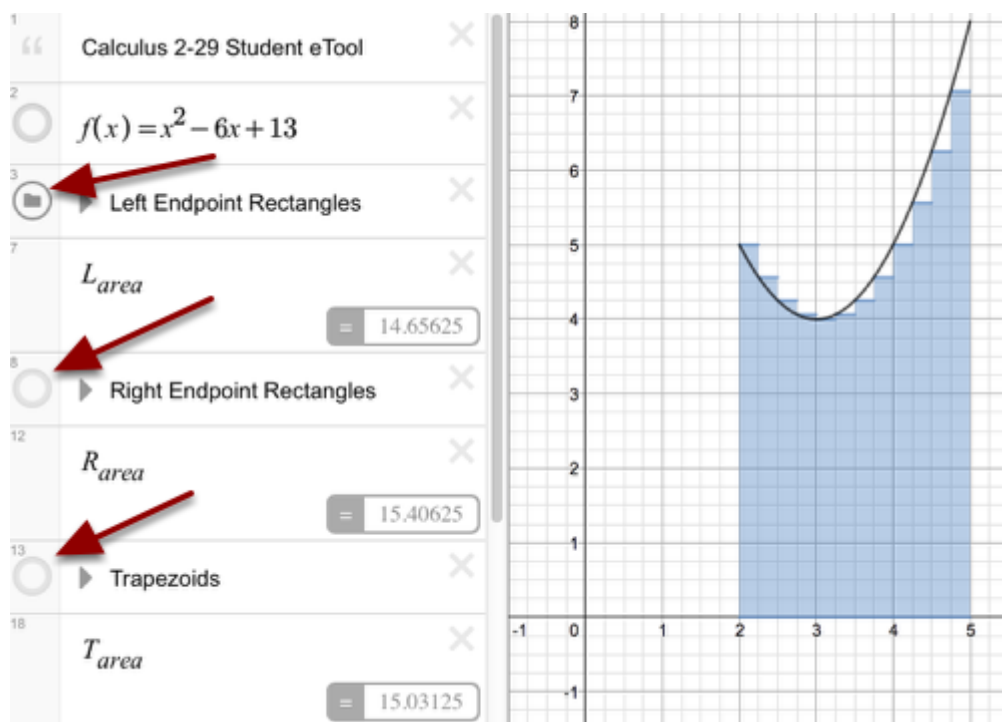


Calculus 2.1.3: 2-29 Student eTool

Click on the link below.

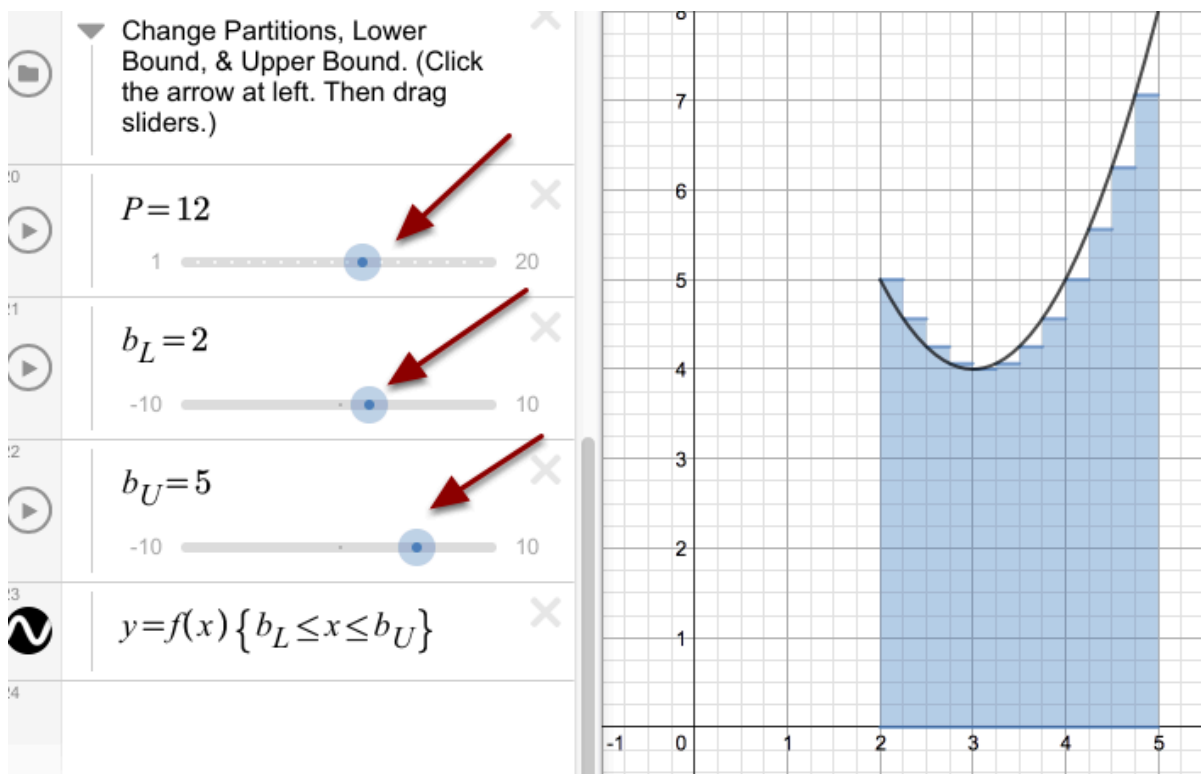
[2-29 Student eTool \(Desmos\)](#)

1. Click the circles in front of the various views to Show/Hide.



2. Move the sliders to change:

- The Number of Partitions
- The Lower Bound
- The Upper Bound

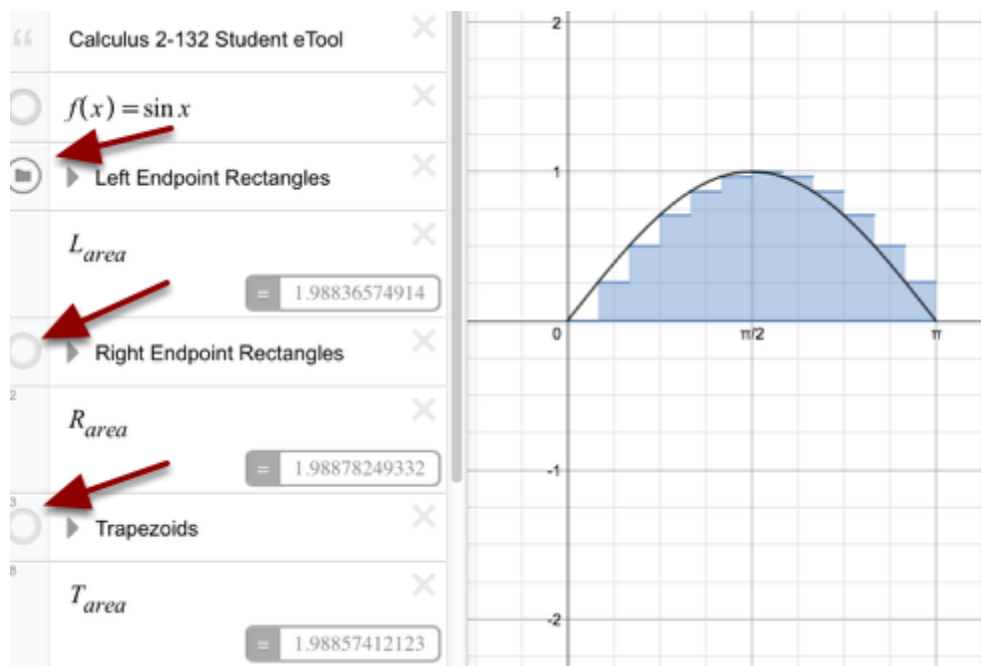


Calculus 2.4.1: 2-132 Student eTool

Click on the link below.

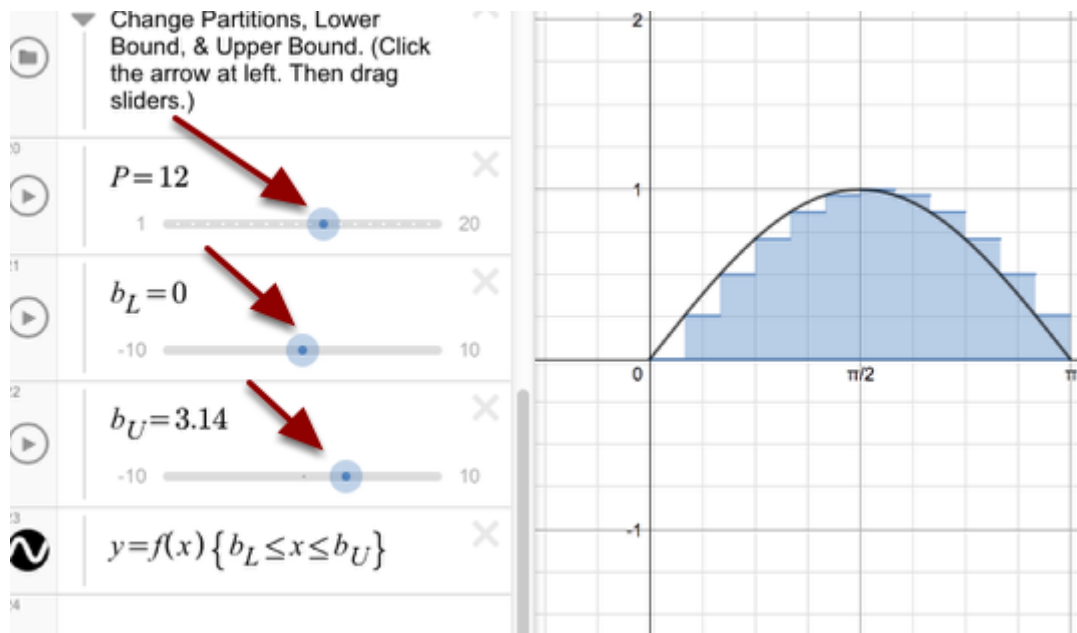
[2-132 Student eTool \(Desmos\)](#)

1. Click the circle at the left to Show/Hide various views.



2. Move the sliders to change:

- The Number of Partitions
- The Lower Bound
- The Upper Bound



Chapter 3

Calculus 3.1.1: 3-2, 3-3, & 3-4 Student eTools

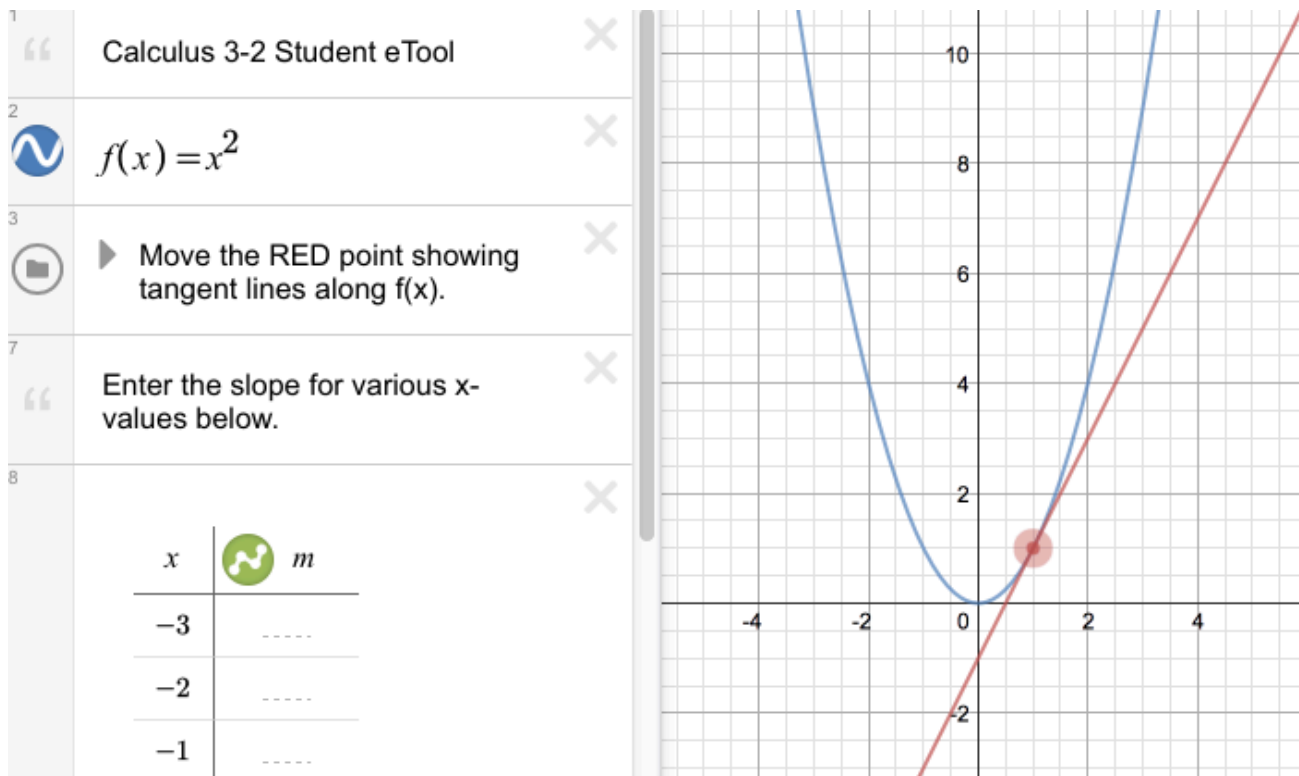
Click on the links below.

[3-2 Student eTool \(Desmos\)](#)

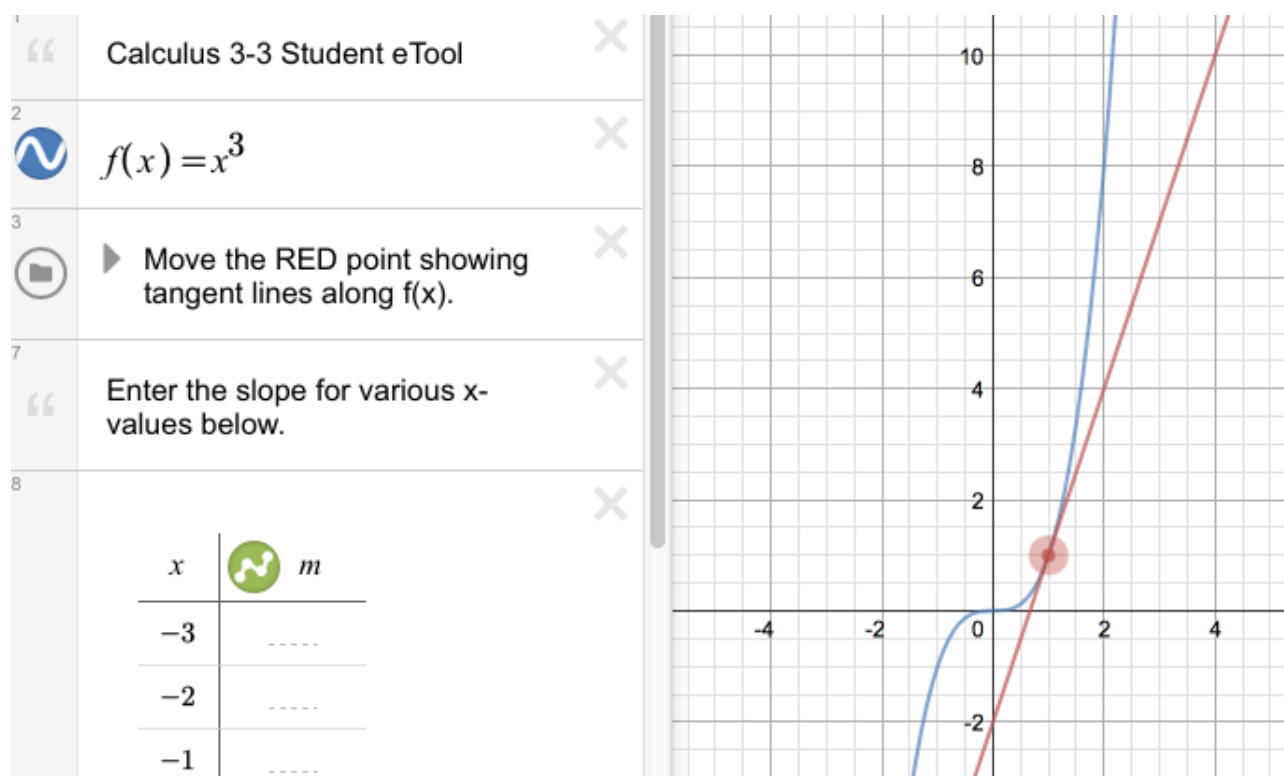
[3-3 Student eTool \(Desmos\)](#)

[3-4 Student eTool \(Desmos\)](#)

1.



2.



3.

4.

5.