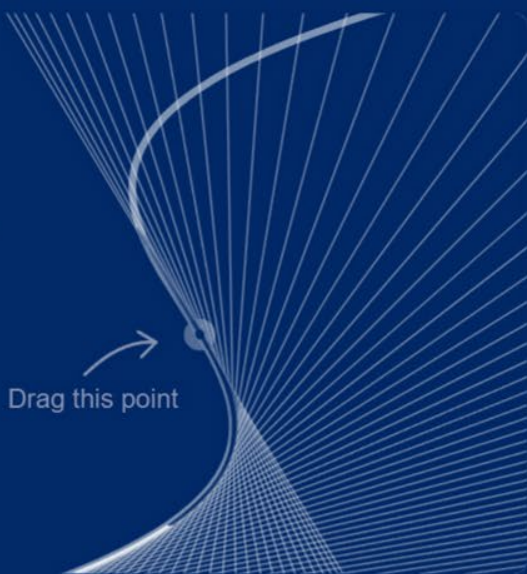


Let's learn together.

At Desmos Studio, we want to help everyone learn math, love math, and grow with math.

Graphing Calculator

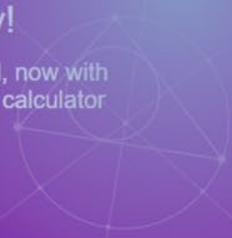
Drag this point



Explore geometry!

Try our new geometry tool, now with the power of the graphing calculator built in.

Open Geometry



Is Desmos on your test?

Our calculators are available on most state and national assessments.

Find Your Test



DESMOS

NOT JUST FOR MATH



LEARNING OBJECTIVES

PARTICIPANTS WILL DISCOVER...

01

WHAT IS DESMOS

Overview of the program and guiding principals.

02

ENGAGING LEARNERS

Going beyond paper and pencil for student activities.

03

FEEDBACK AND ASSESSMENT

Motivating students through instant feedback and teacher feedback.

04

DESMOS BEYOND MATH

Incorporating Desmos into all grade levels and content areas.

Let's learn together.



WHAT IS DESMOS?

GUIDING PRINCIPLES

- Build for Real Classrooms
- Honor Students' Brilliance
- Design for Delight
- Champion Teachers
- Works Every Time

EQUITY PRINCIPLES

- Serve all students and teachers
- Work continuously towards an equitable workplace
- Disrupt systemic inequities and marginalization in education.

DESMOS GOES BEYOND PAPER AND PENCIL



VISUAL ELEMENTS

Ability to easily add visual elements such as images and videos to engage learners.



INTERACTIVE

Students are able to interact with elements in Desmos as well as their classmates.



UNIVERSAL DESIGN

Provides access through audio, video, text, and other elements of Universal Design for Learning.

FEEDBACK AND ASSESSMENT

01

INSTANT FEEDBACK

Students know right away if they are correct!

02

TEACHER FEEDBACK

Space for teachers to respond directly to students

03

VIRTUAL PROXIMITY

Teachers can monitor and pace student progress



Using Desmos EFFECTIVELY for Formative Assessment

Quick “at a glance” formative assessment - who was able to complete a problem independently?

The screenshot shows a Desmos classroom interface. At the top, there are navigation icons (home, video, full screen, pause) and a 'SORT BY' dropdown menu set to 'Time Entered'. Below this, there are several problem cards, with the first one titled '6 Activit...' and the others '7 Positiv...', '8 Positiv...', '9 Positiv...', and '10 Positi...'. A purple banner across the top of the table states 'Anonymize mode is on. Your students' names'. The table below lists 15 students and their performance on five different problems. A red box highlights the '8 Positiv...' column.

Student Name	6 Activit...	7 Positiv...	8 Positiv...	9 Positiv...	10 Positi...
Mary Somerville	—	✓	✓	✓	✓
Thomas Fuller	—	✓	✓	✓	✓
Jean Springer	—	✓	✓	✓	✓
Ron Buckmire	—	✓	✓	✓	✓
Vivienne Malone-Mayes	—	✓	✓	✓	✓
MC Escher	—	✓	✓	✓	✓
Wen-Tsun Wu	—	✓	✓	✓	✓
Genevieve M. Knight	—	✓	✓	✓	✓
Gloria Gilmer	—	✓	✗	✗	✓
Karlie Noon	—	✓	✓	✓	✓
Mariel Vázquez	—	✓	✗	—	—
Mary Winston Jackson	—	✓	✓	✓	✓
Moon Duchin	—	✓	✓	✓	✓
Talitha Washington	—	✗	—	—	✓
Abu al-Wafa' Buzjani	—	✗	✓	—	—
Elbert Frank Cox	—	✗	✓	✓	✓

Using Desmos EFFECTIVELY for Formative Assessment

Provide
INSTANT
private
feedback on a
student's
specific slide!
If several
students are
confusing this
concept,
address the
whole class!

Positive or Negative?

For which of these scatter plots would the graph of the model have a positive association?

(Select all that apply.)

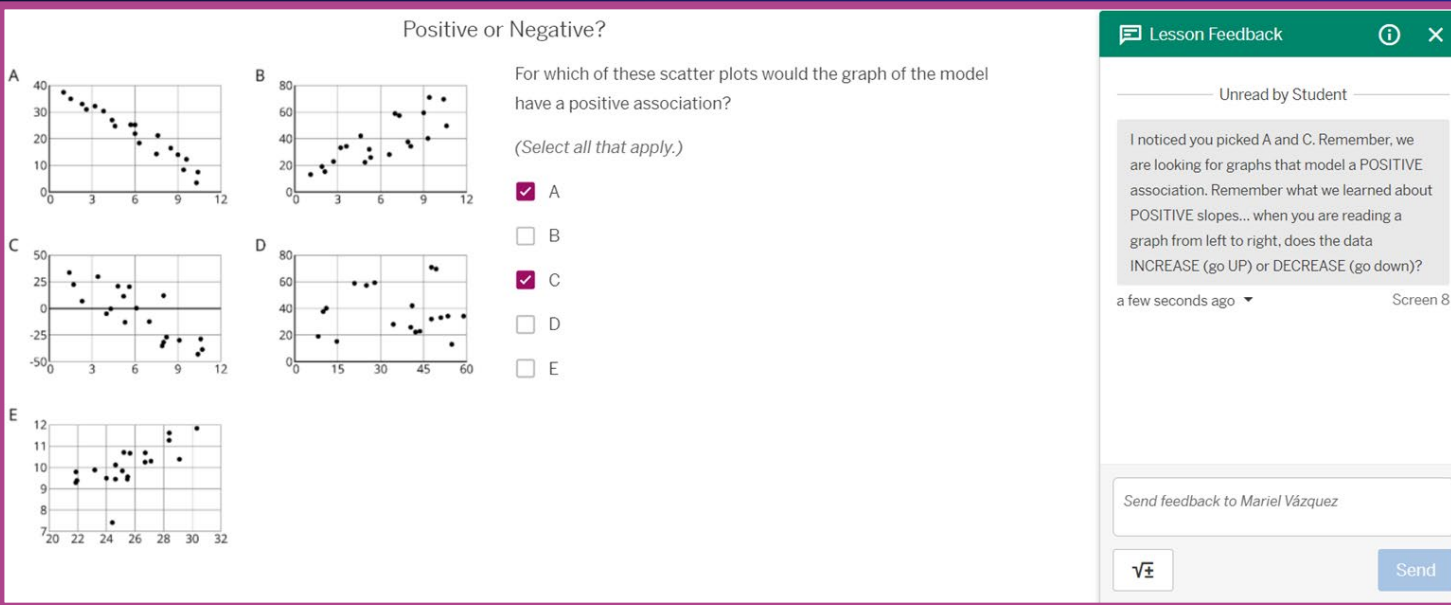
A

B

C

D

E



Lesson Feedback

Unread by Student

I noticed you picked A and C. Remember, we are looking for graphs that model a POSITIVE association. Remember what we learned about POSITIVE slopes... when you are reading a graph from left to right, does the data INCREASE (go UP) or DECREASE (go down)?

a few seconds ago Screen 8

Send feedback to Mariel Vázquez



√± Send

Using Desmos EFFECTIVELY for Formative Assessment

Use the sketch pad feature to see students work individually or when appropriate see responses of the class as a whole!
(GREAT for graphing!)

Fitting Lines

Experiment with drawing lines to fit the data. Pick the line that you think best fits the data. Compare it with a partner's.



Using Desmos EFFECTIVELY for Formative Assessment

Card sorts are an excellent way to gather formative data. They are also engaging for students!

Sort cards by their association - groups DO NOT have same number of cards

Negative Association Neither Positive Association

Mary Somerville

Thomas Fuller

Wen-Tsun Wu

Genevieve M. Knight

Moon Duchin

Talitha Washington

Abu al-Wafa' Buzjani

Elbert Frank Cox

Scatter Plot City H

Scatter Plot City F

Scatter Plot City A

DESMOS BEYOND MATH



RESOURCES AND LINKS



<https://my.amplify.com/help/en/collections/3777043-desmos-classroom>

<https://help.desmos.com/hc/en-us>

<https://www.youtube.com/c/Desmos>

<https://www.desmos.com/guiding-principles>

<https://student.desmos.com/join/mr4axh>

<https://teacher.desmos.com/activitybuilder/custom/66102165511ef188f40a5ea1>