



# Web 2.0 in the Mathematics Classroom

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ATHENS, 26/06 - 30/06/2023

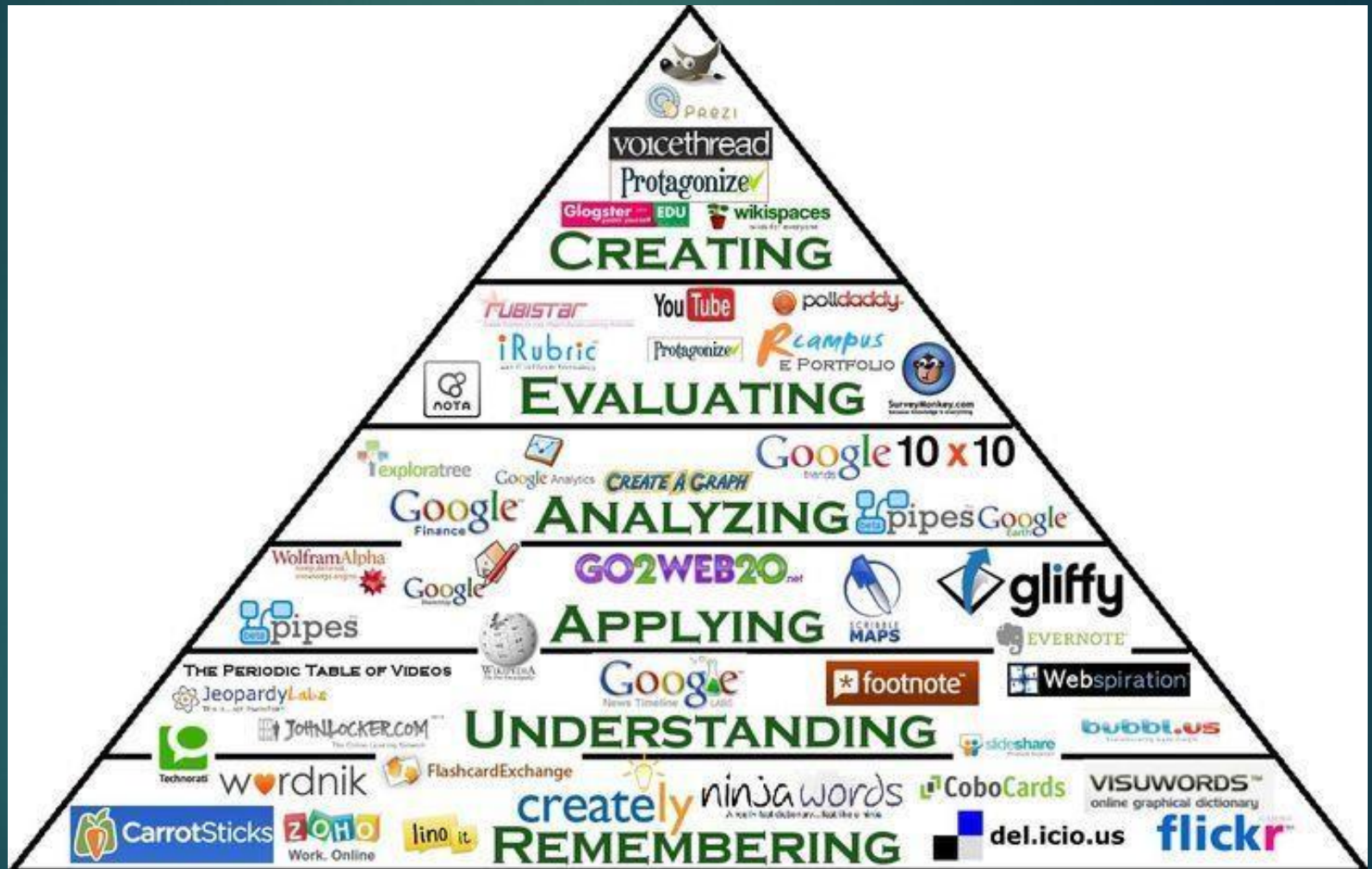


# Prezentare Generală a Cursului

În cadrul cursului cursului "Web 2.0 in the Mathematics Classroom" am desfășurat următoarele activități:

- ❑ Am explorat diverse instrumente și tehnologii web care pot fi utilizate pentru a îmbunătăți procesul de învățare și înțelegere a matematicii. Printre acestea se numără aplicații și platforme online, precum: Openboard, Lego Interpreter, Geogebra, Symbolab, Modellus X, Graspable Math, Ezgif.com, Edpuzzle, Coggle.it, Wordart, Blogger, Plikers.
- ❑ Am discutat modul în care tehnologia web poate fi integrată în lecții și activități matematice pentru a ajuta elevii să înțeleagă concepte complexe și să rezolve probleme matematice.
- ❑ Am analizat exemple de planificare a lecțiilor și am explorat beneficiile utilizării tehnologiei web în sala de clasă.
- ❑ Am învățat să creăm și să distribuim materiale didactice online, cum ar fi prezentări, fișiere PDF interactive sau exerciții online. Am discutat despre avantajele acestor materiale și despre modalitățile în care pot fi utilizate pentru a susține învățarea matematicii.

# Taxonomia Web Bloom I



# Crossword Labs

<https://crosswordlabs.com/>

## Crossword Labs

Make a Crossword [Find a Crossword](#) [About](#) [Login/Sign Up](#)

Crossword Puzzle Title

Enter the answer, a space and then the clue. One word/clue pair per line. [Need to see an example?](#)

## Free, Fast & Easy

Crossword Labs is a crossword puzzle maker. It's the simplest and fastest way to build, print, share and solve crossword puzzles online. And it's free to use!

**No ads, no watermarks, and no registration required.**

Over **one million** crossword puzzles made!



### Sample Crosswords

[The Planets](#)

[Weather](#)

[Animals](#)



[Find a Crossword Puzzle](#)

# PhET

<https://phet.colorado.edu/en/simulations/category/math>



## Simulations

- New Sims
- HTML5
- Physics
- Biology
- Chemistry
- Earth Science

### ► Math

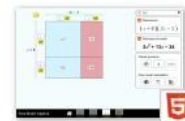
- Math Concepts
- Math Applications
- By Grade Level
- By Device
- All Sims
- Translated Sims

## Teaching Resources

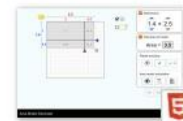
- Research
- Accessibility
- Donate



Area Builder



Area Model Algebra



Area Model Decimals



Area Model Introduction



Area Model Multiplication



Arithmetic



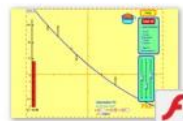
Balancing Act



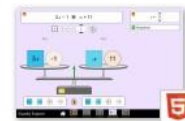
Build a Fraction



Calculus Grapher



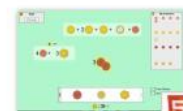
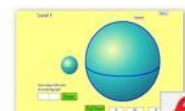
Curve Fitting



Equality Explorer



Equality Explorer: Basics





# IXL

## www.ixl.com



The banner features a dark blue header with the IXL logo on the left. To the right of the logo is a search bar with the placeholder text "Search topics and skills" and a magnifying glass icon. Further right are two input fields for "Username" and "Password", followed by a green "Sign in" button and a checkbox labeled "Remember". Below the header is a green navigation bar with the words "Learning", "Analytics", and "Inspiration" in white, and a teal "MEMBERSHIP" button on the right. The main content area has a light green background with the headline "IXL is personalized learning" in blue. Three white cloud-shaped callouts are arranged horizontally. The first cloud on the left is titled "Comprehensive K-12 curriculum" and lists "Math • Language arts • Science" and "Social studies • Spanish" with a blue downward arrow below. The middle cloud is titled "Trusted by educators and parents" and states "Over 50 billion questions answered" and "More than 7 million students use IXL". The third cloud on the right is titled "Immersive learning experience" and lists "Analytics • Recommendations", "Continuous Diagnostic", and "Awards" with a blue downward arrow below. At the bottom of the banner is a "Become a member!" button. The background of the banner includes illustrations of a sailboat, a globe, a microscope, and two children sitting on the grass reading a book.

IXL is personalized learning

**Comprehensive K-12 curriculum**  
Math • Language arts • Science  
Social studies • Spanish

**Trusted by educators and parents**  
Over **50 billion** questions answered  
More than **7 million** students use IXL

**Immersive learning experience**  
Analytics • Recommendations  
Continuous Diagnostic • Awards

[Become a member!](#)

**P** Pre-K  
Counting objects, inside and outside, longer and shorter, letter names, rhyming words, and more.

**K** Kindergarten  
Comparing numbers, names of shapes, consonant and vowel sounds, sight words, and more.

**1** First grade  
Adding and subtracting, tens and ones, telling time, categories, nouns, verb tense, time order, and more.

# <https://www.mathplayground.com/games.html>

## ★ Multiplication Games

More Multiplication Games ▶



Factor Pair Up



Mach 10 Multiples



Math Monster X



Math Surpass Factors



Multiplication Blocks



Multiplication Snake



Product Blocks



Treasure Quest X



Dino Park Division



Math Hop



Math Surpass Division



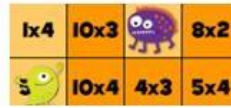
Make a Number



Math Man



Monster Mischief



Monster Stroll X



Professor X



Take the Cake X

## ★ Fraction Games

More Fraction Games ▶



Bridge Builder Fractions



Find the Bus Stop



Unit Fractions Intro



Unit Fractions Pro



Equivalent Fractions Intro



Adding Fractions Intro



nd.com/monster\_mischief.html



7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9

# Mathway

[www.mathway.com](http://www.mathway.com)

Algebra **Mathway**

How can I help you?  
[Tap to view tutorial...](#)

$z \cdot 6 + 6 = 6$

Isolate the variable by dividing each side by factors that don't contain the variable.  
 $z = 0$   
[Tap to view FREE steps...](#)

Not the answer you were looking for?  
[Tap for more options...](#)

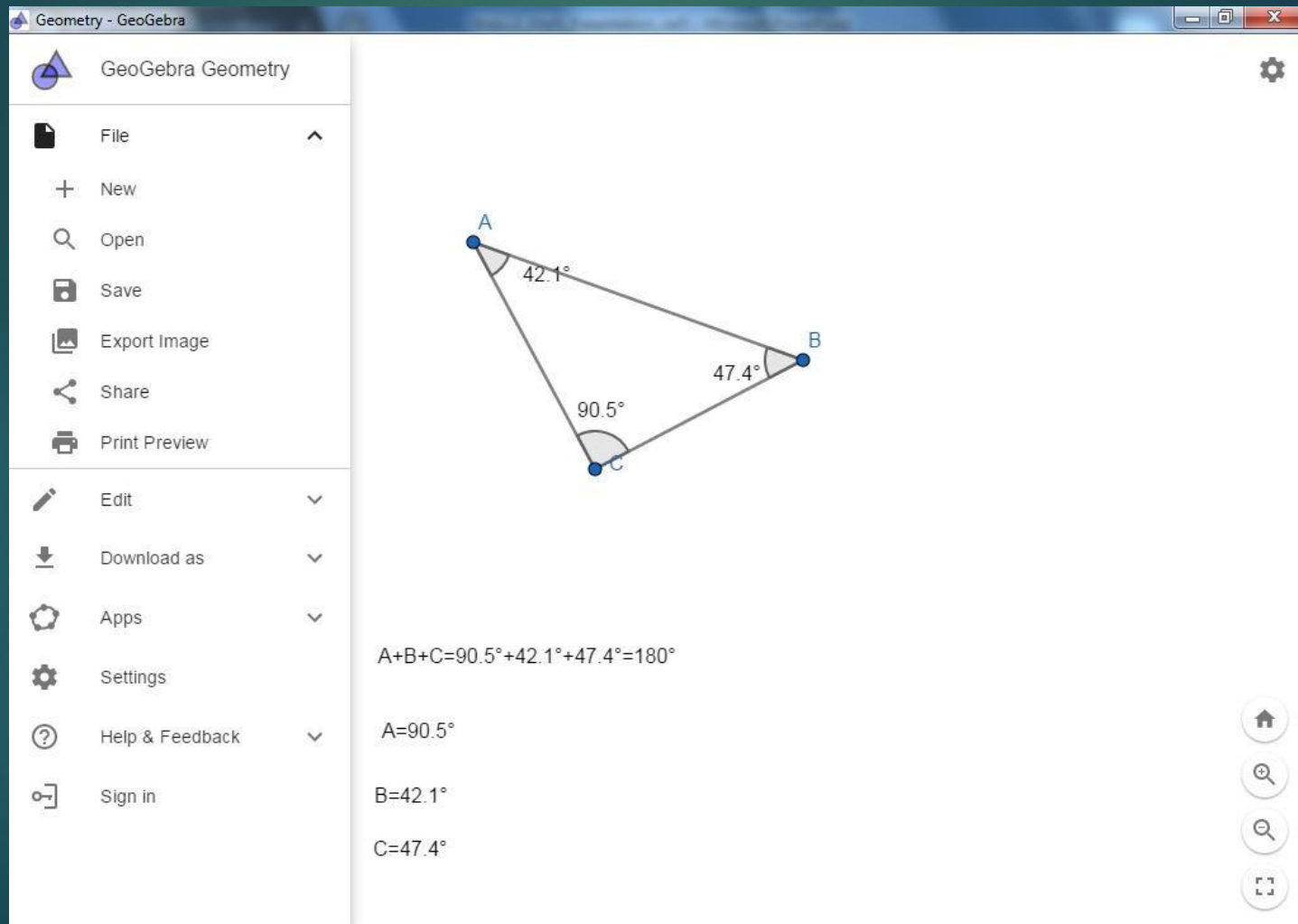
Enter a problem...

$y$					$x^2$				$x$		
(	)		[	]	$\sqrt{\quad}$	$\sqrt[n]{\quad}$	$\geq$	$\begin{matrix} \square & \square \\ \square & \square \end{matrix}$	$\frac{\pi}{180}$	$f(x)$	$e$
$x$	7	8	9	$\frac{\square}{\square}$	$\square^{\square}$	$\square^{\square}$	$\leq$	ln	$\square \cdot 10^{\square}$	$f(x)=\{$	$i$
$y$	4	5	6	/	$\wedge$	$\times$	$>$	log	$\log_{\square}$	$\cap$	U
$z$	1	2	3	-	+	$\div$	$<$	$\begin{matrix} \square & \square \\ \square & \square \end{matrix}$	$\begin{matrix} \square & \square \\ \square & \square \end{matrix}$	$\pi$	$\infty$
abc	,	0	.	%	$\_$	=	$<$	$>$	$\times$	$\leftarrow$	



# Geogebra CAS Commands

[https://wiki.geogebra.org/en/CAS\\_Specific\\_Commands](https://wiki.geogebra.org/en/CAS_Specific_Commands)



The screenshot shows the GeoGebra Geometry interface. On the left is a menu with options: File (New, Open, Save, Export Image, Share, Print Preview), Edit, Download as, Apps, Settings, Help & Feedback, and Sign in. The main workspace displays a triangle with vertices A, B, and C. The interior angles are labeled as 42.1° at vertex A, 47.4° at vertex B, and 90.5° at vertex C. Below the triangle, the CAS view shows the following text:

$$A+B+C=90.5^{\circ}+42.1^{\circ}+47.4^{\circ}=180^{\circ}$$
$$A=90.5^{\circ}$$
$$B=42.1^{\circ}$$
$$C=47.4^{\circ}$$

# Symbolab

[www.symbolab.com](http://www.symbolab.com)

The screenshot shows the Symbolab website's Rational Roots Calculator interface. The browser address bar displays the URL: <https://www.symbolab.com/solver/rational-roots-calculator/rational%20roots%203x%5E3-5x%5E2+5x-2>. The navigation menu includes: Pre Algebra, Algebra, Matrices & Vectors, Geometry, Trigonometry, Pre Calculus, Calculus, Statistics, Physics, and Chemistry. A search bar is located in the top right corner.

The main heading is "Rational Roots Calculator" with the subtitle "Find roots of polynomials using the rational roots theorem step-by-step". A sidebar on the left lists various mathematical topics under "Equations", including Basic (Linear), Quadratic, Rational, Polynomial, Radical, Logarithmic, Exponential, Absolute, Complex (new), Matrix (new), Roots (new), and Rational Roots (new).

The calculator interface features a "full pad" with mathematical symbols like  $x^2$ ,  $x^p$ ,  $\log$ ,  $\sqrt{\quad}$ ,  $\sqrt[n]{\quad}$ ,  $\leq$ ,  $\geq$ ,  $\frac{\square}{\square}$ ,  $\cdot$ ,  $\div$ ,  $x^2$ , and  $\pi$ . Below this is a "Most Used Actions" section with buttons for "simplify", "solve for", "inverse", "tangent", and "line".

The input field contains the polynomial equation:  $3x^3 - 5x^2 + 5x - 2$ . A red "Go" button is next to it. Below the input field, there are "Graph" and "Examples" options.

The "Solution" section shows the result: "Rational root test:  $3x^3 - 5x^2 + 5x - 2 : x = \frac{2}{3}$ ". A "Keep Practicing >" button is located to the right of the solution.

The "Steps" section displays the polynomial equation  $3x^3 - 5x^2 + 5x - 2$  and includes a "Rational root theorem definition" section. The definition states: "For a polynomial equation with integer coefficients:  $a_n x^n + a_{n-1} x^{n-1} + \dots + a_0$ . If  $a_0$  and  $a_n$  are integers, then if there is a rational solution it could be found by checking all the numbers produced for  $\pm \frac{\text{divisors of } a_0}{\text{divisors of } a_n}$ ".

On the right side of the page, there are social media links for Facebook, Twitter, and YouTube, along with a "Mou ag" button. Below these are advertisements for iTunes and Google Play. Further down, there is a section for "Antikatastasi Portwn Parathrwon" (Anticipation of Port and Parathrwon) and a "Related Symbolab blog posts" section featuring "Practice Makes Perfect" and "My Notebook, the Symbolab way".

# WolframAlpha

[www.wolframalpha.com](http://www.wolframalpha.com)

The screenshot shows the WolframAlpha website interface. At the top, the search bar contains the equation  $x^2 + 5x + 6 = 0$ . Below the search bar, the input field shows  $x^2 + 5x + 6 = 0$ . The main content area displays the following information:

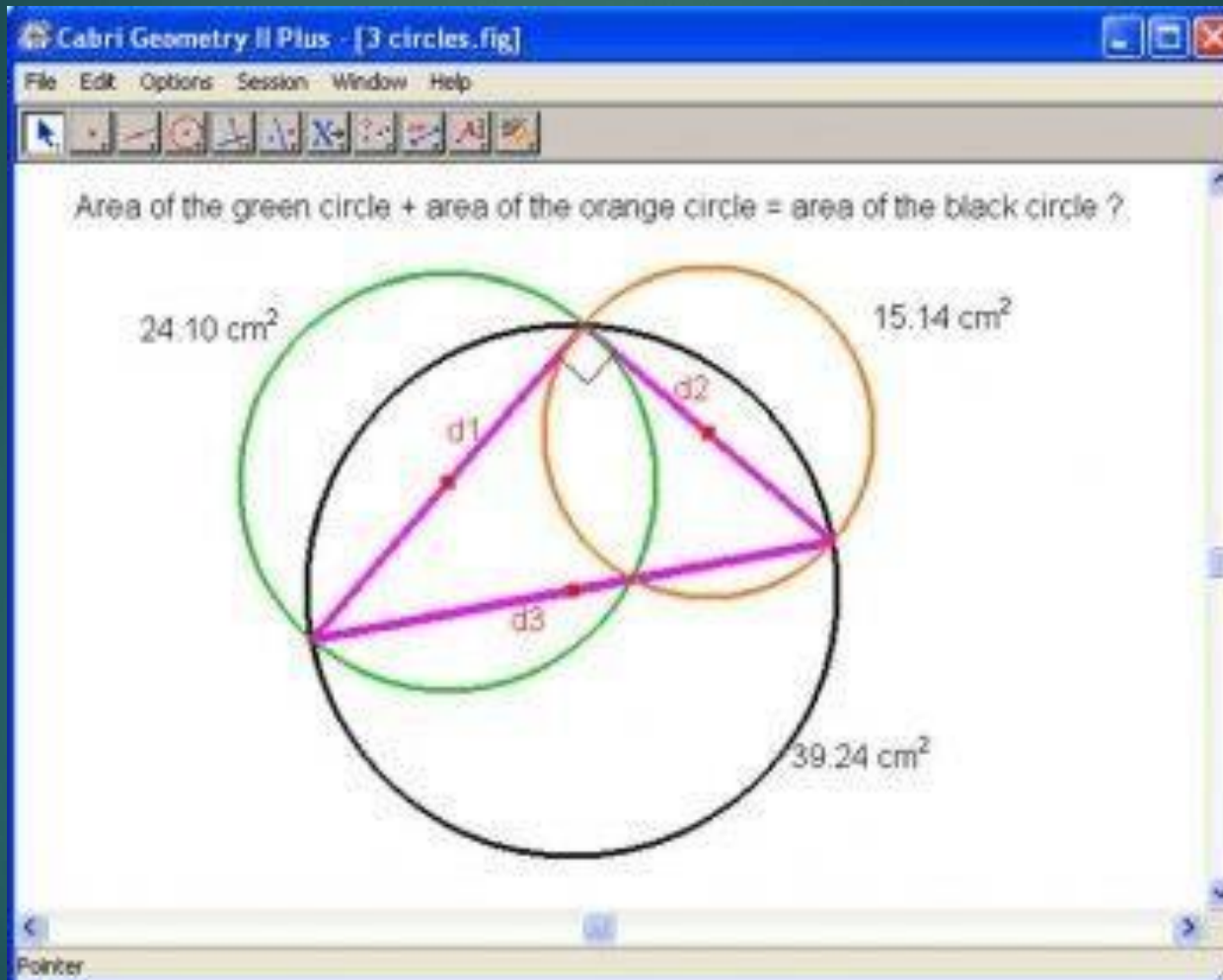
- Input:**  $x^2 + 5x + 6 = 0$
- Root plot:** A graph of the parabola  $y = x^2 + 5x + 6$  with its x-axis. The x-axis is labeled from -3.5 to -1.5, and the y-axis is labeled from -0.2 to 0.6. The parabola intersects the x-axis at two points, marked with red dots, at  $x = -3$  and  $x = -2$ .
- Alternate forms:**
  - $(x + 2)(x + 3) = 0$
  - $\left(x + \frac{5}{2}\right)^2 - \frac{1}{4} = 0$
- Number line:** (Partially visible)

On the right side of the page, there are two promotional banners:

- A red banner with the text "DISCOVER WHAT'S POSSIBLE with Wolfram|Alpha" and a "Take the Tour" button.
- An orange banner with the text "Wolfram Problem Generator" and a math problem  $\frac{6}{7} + \frac{2}{7} = ?$ .

# Cabri

[www.cabri.com](http://www.cabri.com)





# Sketchpad

<http://www.dynamicgeometry.com/>

The Geometer's Sketchpad - [pyth\_thm.gsp]

File Edit Display Construct Transform Measure Graph Window Help

## Pythagoras' theorem

Hide Diagram

Drag point G, C, D?  
What happens?  
What is your conclusion?

Hide Area EFGD  
Area EFGD = 46.96 cm<sup>2</sup>

Hide Area CGHI and DABC  
Area CGHI = 10.25 cm<sup>2</sup>  
Area DABC = 36.71 cm<sup>2</sup>  
m∠DCG = 90.00°

z = 6.85 cm  
x = 3.20 cm  
y = 6.06 cm

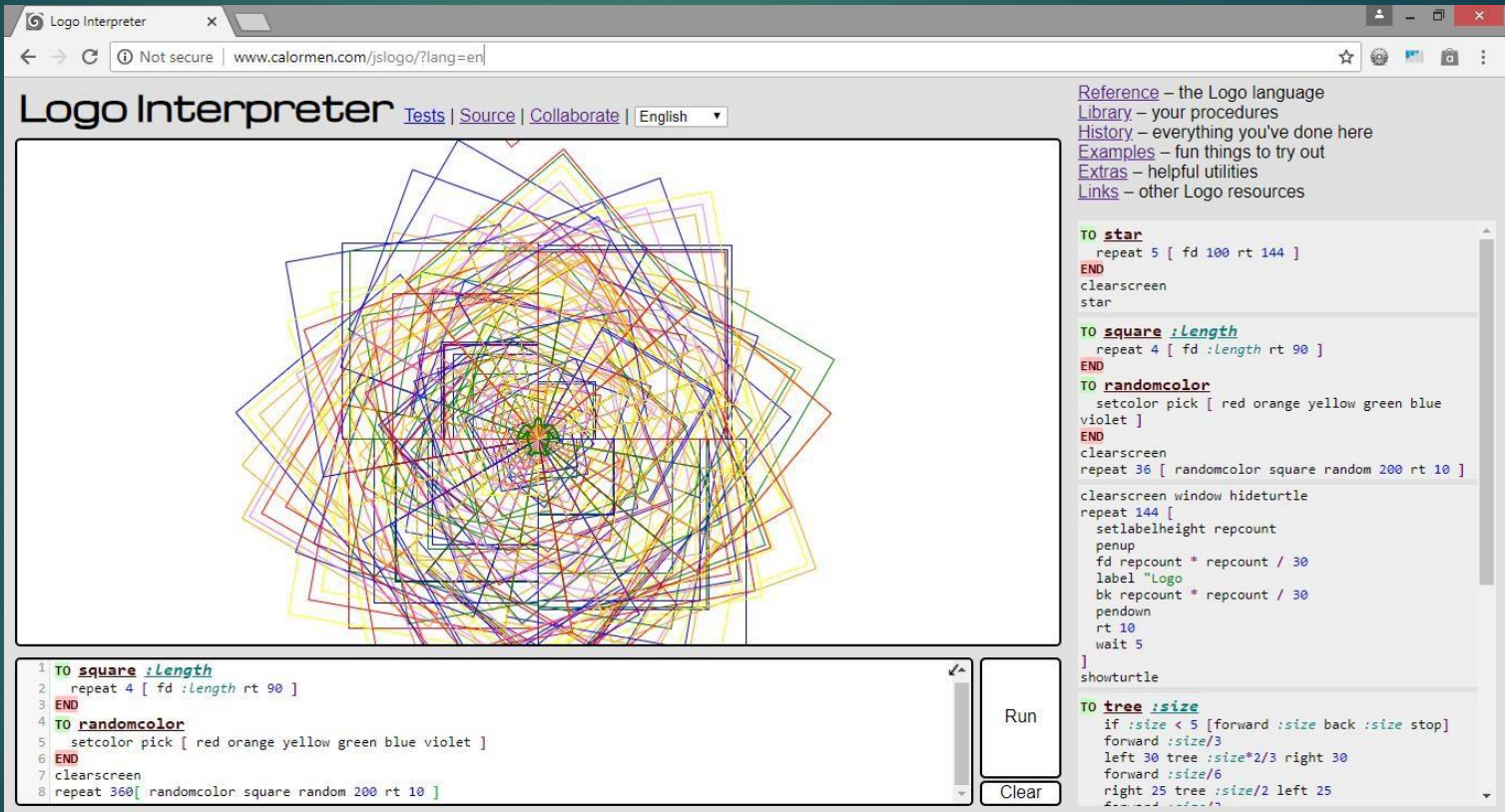
Hide Length

$x^2 + y^2 = 46.96 \text{ cm}^2$   
 $z^2 = 46.96 \text{ cm}^2$

# MEDII DE PROGRAMARE

<http://www.calormen.com/jslogo>

<https://scratch.mit.edu/>



The screenshot displays the Logo Interpreter web application. The main canvas shows a complex, colorful fractal drawing composed of many overlapping squares and lines, resembling a Sierpinski triangle or a similar fractal structure. The drawing is rendered in various colors including red, orange, yellow, green, blue, and violet.

The interface includes a navigation bar with links for [Tests](#), [Source](#), [Collaborate](#), and a language dropdown menu set to **English**. On the right side, there is a sidebar with a list of resources: [Reference](#) (the Logo language), [Library](#) (your procedures), [History](#) (everything you've done here), [Examples](#) (fun things to try out), [Extras](#) (helpful utilities), and [Links](#) (other Logo resources).

The code editor at the bottom left shows the following code:

```
1 TO square :Length
2   repeat 4 [ fd :Length rt 90 ]
3 END
4 TO randomcolor
5   setcolor pick [ red orange yellow green blue violet ]
6 END
7 clearscreen
8 repeat 360 [ randomcolor square random 200 rt 10 ]
```

On the right side of the code editor, there are two buttons: **Run** and **Clear**.

The code editor on the right side of the interface shows the following code:

```
TO star
  repeat 5 [ fd 100 rt 144 ]
END
clearscreen
star

TO square :Length
  repeat 4 [ fd :Length rt 90 ]
END

TO randomcolor
  setcolor pick [ red orange yellow green blue violet ]
END
clearscreen
repeat 36 [ randomcolor square random 200 rt 10 ]

clearscreen window hideturtle
repeat 144 [
  setlabelheight reccount
  penup
  fd reccount * reccount / 30
  label "Logo
  bk reccount * reccount / 30
  pendown
  rt 10
  wait 5
]
showturtle

TO tree :size
  if :size < 5 [forward :size back :size stop]
  forward :size/3
  left 30 tree :size*2/3 right 30
  forward :size/6
  right 25 tree :size/2 left 25
```

# The turtle world

Logo Interpreter

[Reference](#)  
[Library](#)  
[History](#)  
[Examples](#)  
[Extras](#)  
[Links](#)

[Clear Library](#)

Type your code here...

Run

Clear

# Another Turtle world

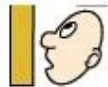
<http://www.logointerpreter.com/turtle-editor.php>

The screenshot shows a web browser window with the URL [www.logointerpreter.com/turtle-editor.php](http://www.logointerpreter.com/turtle-editor.php). The page features a blue header with navigation links: HOME, LEARN, NEW FEATURES, EDITOR, USERS PROGRAMS, STATS, and REGISTER. Below the header is a toolbar with buttons for NEW, SAVE, SAVE AS, CLOSE, MY PROGRAMS, MY PROCEDURES, RELOAD, and PREVIEW & PUBLISH. The main workspace contains a turtle icon in the center of a large white canvas. To the right of the canvas is a text area labeled "Your program: [untitled]" and a command input area labeled "Enter new logo commands" with a list of commands starting with "1". A sidebar on the left displays the logo for "GE SUPPLIES" and the text "Λύσεις για Μηχανουργεία" (Solutions for Manufacturing), along with a list of services: CNC, Υλικά, Κατεργασίες, Βιομηχανικός Εξοπλισμός, 3D Scanning, and 3D Printing.



# WisWeb applets

[https://app.dwww.fi.uu.nl/wisweb/applets/mainframe\\_en.html](https://app.dwww.fi.uu.nl/wisweb/applets/mainframe_en.html)



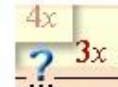
3-D Object Viewer



Algebra arrows



Algebra Trees



Area Algebra



Arrow chains



Artistic Floor



Barney



Broken Calculator



Building houses



Building houses with side views

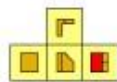
Building with blocks



Checkerboard



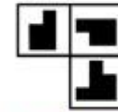
Colouring sides 1



Colouring sides 2



Connectivity graph



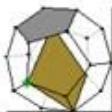
Cube houses



Cut-outs, Nets



Discrete dynamic models



Drawing in Polyhedra



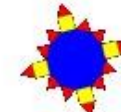
Enlargement



Estimate!



Falling problems



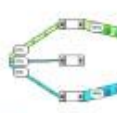
Filling polygons, following Archimedes



Find the function



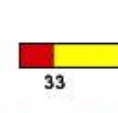
Flash



Flow charts



Formula maker (Dutch)



Fraction Bar and Percent Bar



Fraction Times



Function game

# Calculator Online

<https://web2.0calc.com/>

The image shows a screenshot of the web2.0calc online calculator interface. The top navigation bar includes the logo "web2.0calc" and menu items: HOME, FORUM, WIDGETS, FORMULARY, HELP, and ABOUT. The calculator interface features a display area at the top, a grid of function and numeric buttons, and a mode selector (Deg/Rad). Below the calculator is a history window with a "clear history" button.

**web2.0calc**    [HOME](#)    [FORUM](#)    [WIDGETS](#)    [FORMULARY](#)    [HELP](#)    [ABOUT](#)

Calculator interface showing a display area, a grid of buttons (including trigonometric functions like sin, cos, tan, and mathematical operations like +, -, ×, ÷), and a mode selector (Deg/Rad). Below the calculator is a history window with a "clear history" button.

# Software de modelare

<http://www.modellus.pt>

- Modellus este o aplicație gratuită care permite profesorilor și elevilor să folosească matematica pentru a crea sau explora modele în mod interactiv.

The screenshot displays the Modellus software interface. The main window shows a simulation of a basketball player shooting a ball. The ball's trajectory is shown with a dashed line and a coordinate system. The player's velocity is set to 72.00 and the angle to 50.00 degrees. The simulation is running at t = 2.40 seconds.

The interface includes a menu bar with options: Início, Variável Independente, Modelo, Parâmetros, Condições Iniciais, Tabela, Gráfico, Objectos, and Notas. The toolbar contains icons for Partícula, Vector, Caneta, Texto, Indicador de Nível, Analógico, Variável, Imagem, Objecto Geométrico, and Origem.

The **Tabela** (Table) panel shows the following data:

t	x
1.80	65.21
1.90	87.93
2.00	92.56
2.10	97.19
2.20	101.82
2.30	106.45
2.40	111.07

The **Modelo Matemático** (Mathematical Model) panel displays the following equations:

$$y^2 = vx^2 + vy^2$$
$$x = vx \times t$$
$$vx = v \times \cos(\theta)$$
$$y = vy \times t - 5 \times t^2$$
$$vy = v \times \sin(\theta)$$

The **Gráfico** (Graph) panel shows a plot of x versus t, with a data point at t = 2.40 and x = 111.07.

The **Notas** (Notes) panel is currently empty.

The status bar at the bottom indicates the current time t = 2.40, with a range from Min: 0.00 to Max: 50.00.

# Gif Maker

<https://ezgif.com/maker>

**EZGIF.COM**  
ANIMATED GIFS MADE EASY

GIF Maker Video to GIF Resize Reverse Rotate Crop Cut Optimize Effects Split Add text  
 APNG AVIF

Select multiple images:

Upload Images

3 images uploaded successfully

You can make your gif now

Drag the images to change the order:



Control Panel:



Canvas size:

100 %: 787 x 541 px

Animation speed:

500 milliseconds

Repeat times( 0 = infinite loop ):

times

Music URL( optional, YouTube only ):

( begin time in seconds )

Create GIF Animation

Combine Animated GIFs

Create Video Animation

Create Frame Animation

View the GIF Download the GIF

## Animated GIF Maker

(drag and drop frames to change order)

1 	2 	3 	4 
Delay: 20 skip copy	Delay: 20 skip copy	Delay: 20 skip copy	Delay: 20 skip copy
5 	6 		
Delay: 20 skip copy	Delay: 20 skip copy		

Toggle a range of frames:

From:  To:  skip Enable



# Exemple de gif animate

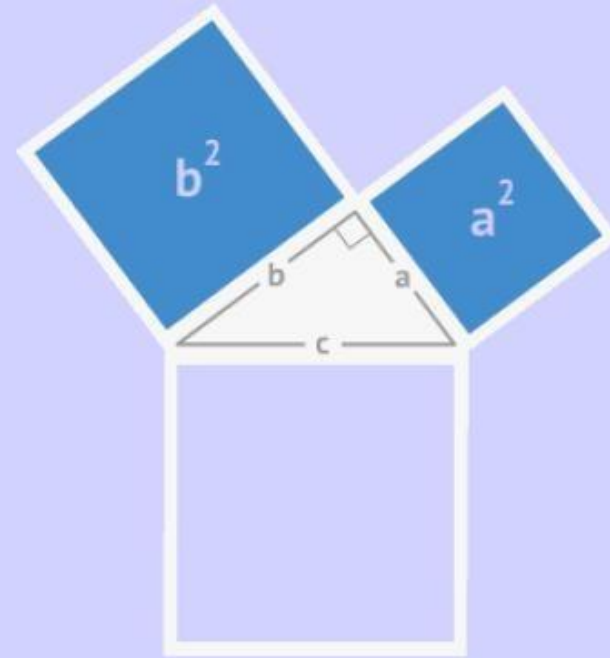
[https://www.mathwarehouse.com/animated\\_gifs](https://www.mathwarehouse.com/animated_gifs)

$$1 + 2 + 3 + \dots + n = ?$$

[www.mathwarehouse.com/gifs](http://www.mathwarehouse.com/gifs)

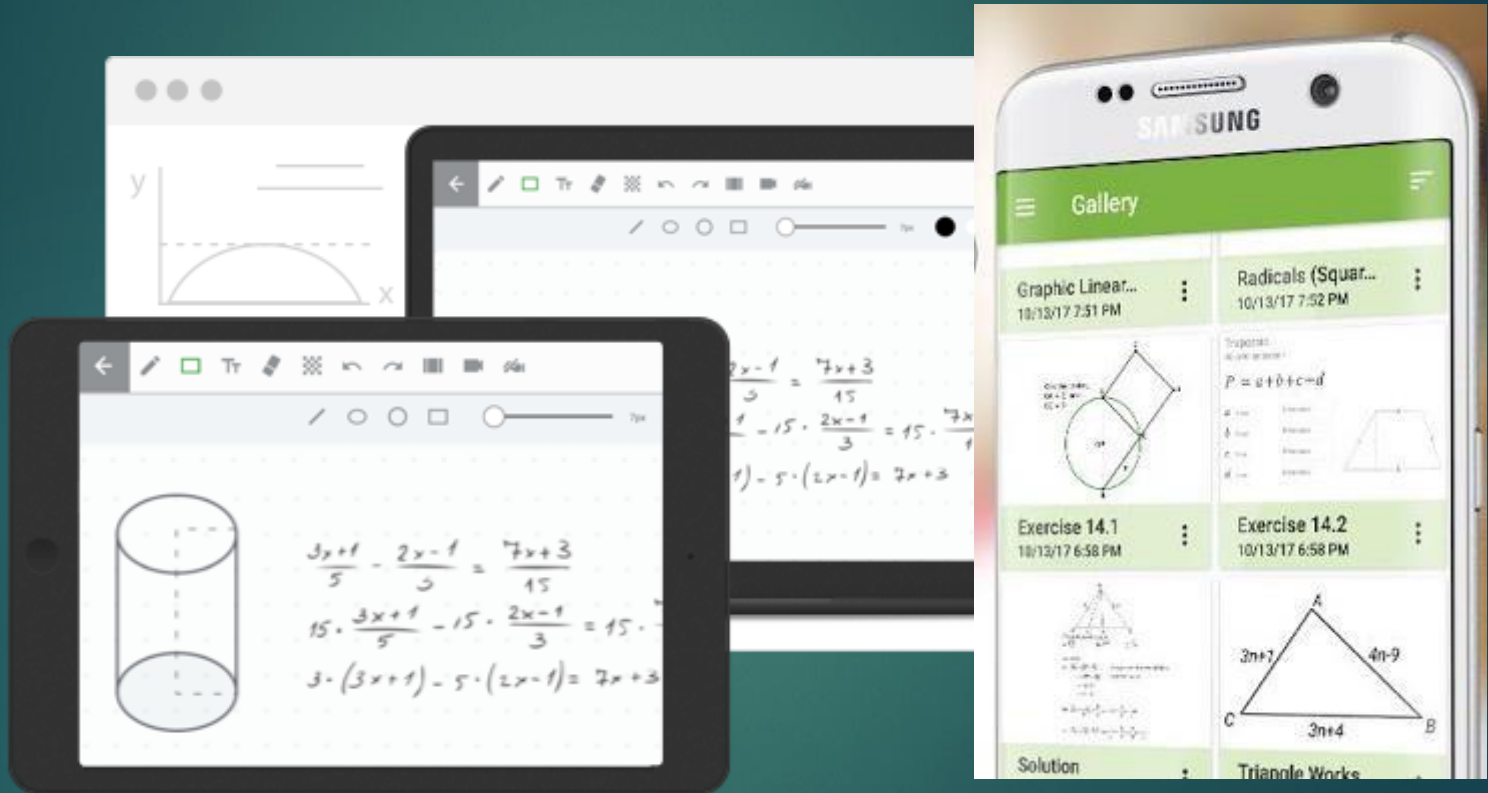
**How to create  
an ellipse**

[www.mathwarehouse.com/gifs](http://www.mathwarehouse.com/gifs)



[www.mathwarehouse.com/gifs](http://www.mathwarehouse.com/gifs)

# LiveBoard Interactive Whiteboard



# Graspable Math

graspablemath.com

The screenshot shows a web browser window with the URL `activities.graspablemath.com/teacher/activity-bank/64942774ca16330013b62bed/preview/1`. The page title is "Variable en relaciones funcionales [Preview]". A dark banner at the top reads: "This is a demo of what your students will see. To let them work on this activity, click the exit button and assign it to your students." with an "EXIT PREVIEW" button.

Below the banner, the text says: "Intenta resolver el siguiente sistema de ecuaciones. Y responde a las preguntas que aparecen más abajo." (Try to solve the following system of equations. And answer the questions that appear below.)

A toolbar contains icons for: insert, transform, keypad, scrub, draw, erase, arrange, undo, redo, smaller, larger, and fullscreen.

The main workspace contains two handwritten equations:

$$x + y + z = 10$$
$$x + 2y + 3z = 22$$

At the bottom of the workspace, there is a link: "Add more space ↓".

Below the workspace, there is a section titled "Formulas" with a right-pointing arrow. It contains three questions:

- Si z vale 3, ¿cuánto valen las otras variables?
- Si y vale 4, ¿cuánto valen las otras variables?
- Si x vale 2, ¿cuánto valen las otras variables?

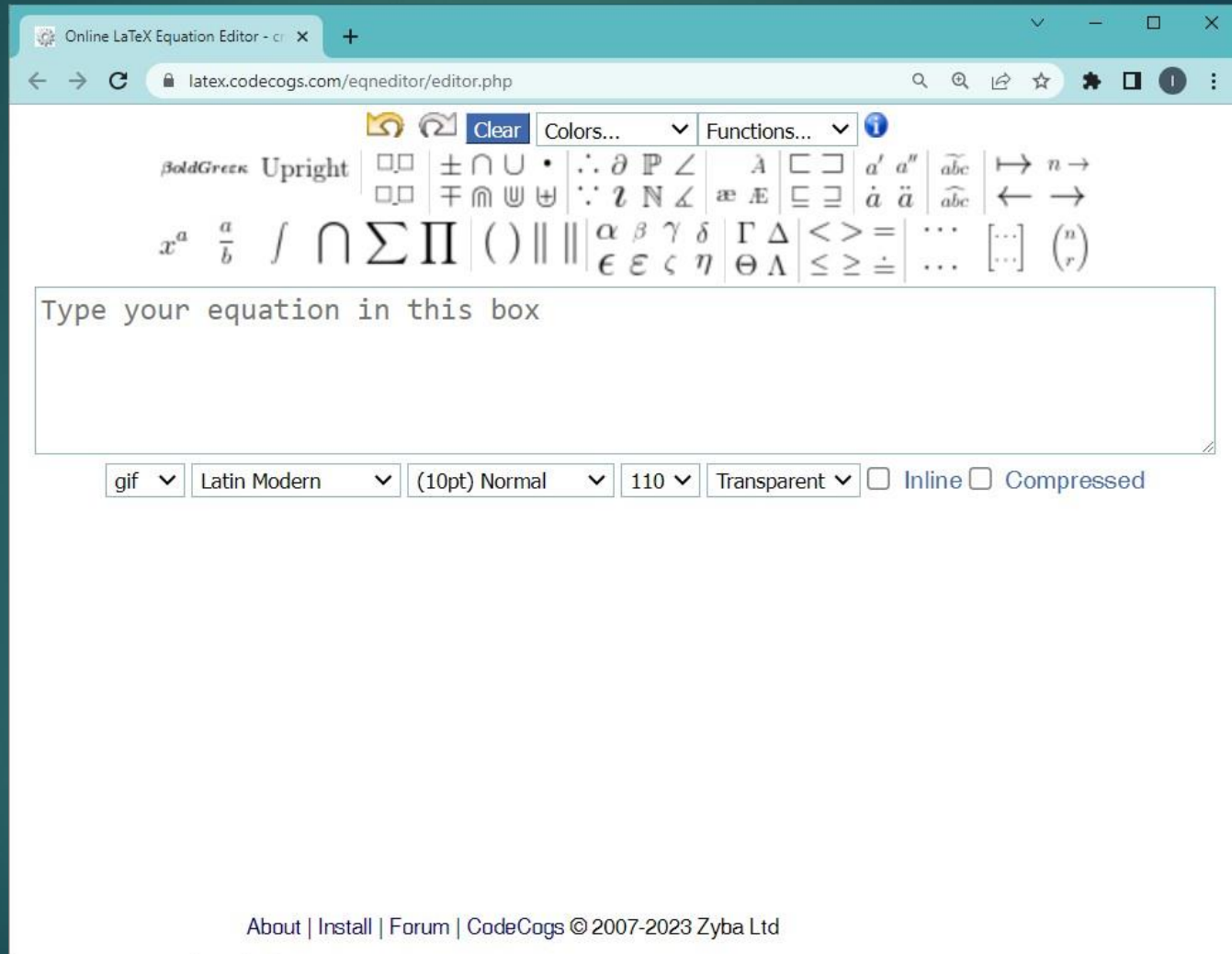
At the very bottom, there is a question: "¿Puedes decirme cuánto valen x e y a partir del valor de z?"

On the left side of the interface, there is a sidebar with the following sections:

- Teacher Preview
- Tasks
  - 1. Canvas
  - 2. Canvas
  - 3. Line it up
  - 4. Multiple Choice
  - 5. Line it up
  - 6. Canvas
  - 7. Canvas
  - 8. Canvas

# Online Latex Equation Editor

<https://latex.codecogs.com/eqneditor/editor.php>



The screenshot shows the Online LaTeX Equation Editor interface. At the top, there is a browser window with the address bar showing `latex.codecogs.com/eqneditor/editor.php`. Below the browser window is a toolbar with various icons and buttons, including "Clear", "Colors...", and "Functions...". The main area contains a large text input box with the placeholder text "Type your equation in this box". Below the input box are several dropdown menus for selecting options: "gif", "Latin Modern", "(10pt) Normal", "110", and "Transparent". There are also checkboxes for "Inline" and "Compressed".

Online LaTeX Equation Editor - `cr` x

latex.codecogs.com/eqneditor/editor.php

Clear Colors... Functions...

*BoldGreen* Upright

$x^a$   $\frac{a}{b}$   $\int$   $\cap$   $\Sigma$   $\Pi$   $( )$   $\|$   $\|$   $\alpha$   $\beta$   $\gamma$   $\delta$   $\Gamma$   $\Delta$   $\langle \rangle =$   $\dots$   $[ \dots ]$   $\binom{n}{r}$

Type your equation in this box

gif Latin Modern (10pt) Normal 110 Transparent  Inline  Compressed

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# Tessellation

<https://tiled.art/en/create/>

The screenshot shows the 'Create - Tiled.art' web page. At the top, there's a browser window with the URL 'tiled.art/en/create/'. Below the browser, the website header includes the 'tiled.art' logo and a 'Menu' button. The main content area is titled 'Open a saved tessellation:' and offers two options: 'This device' (selected) and 'Google Drive'. An 'Open' button is located below these options. Underneath, there's a section 'Create a new tessellation' with a link '(What's this?)'. This section is divided into several categories: '1-way', '2-way', '2-way with flip', '3-way', and '4-way'. Each category contains a grid of thumbnail images showing different tessellation patterns using various shapes and icons like flags and trees.

Create - Tiled.art

tiled.art/en/create/

tiled.art Menu

Open a saved tessellation:

Load from:  This device  Google Drive

Open

Create a new tessellation [\(What's this?\)](#)

**1-way**

**2-way**

**2-way with flip**

**3-way**

**4-way**

# OpenBoard

openboard.ch

## 📄 Easy to Install

Simply download and start using it right away. No registration required.

## 🌐 Open Source

OpenBoard is released under the GPLv3 License and maintained by the community on [GitHub](#).

## 🌍 Universal

Available on Windows, Mac and Linux so you can stay with what you like the most.

## ♥ Simple

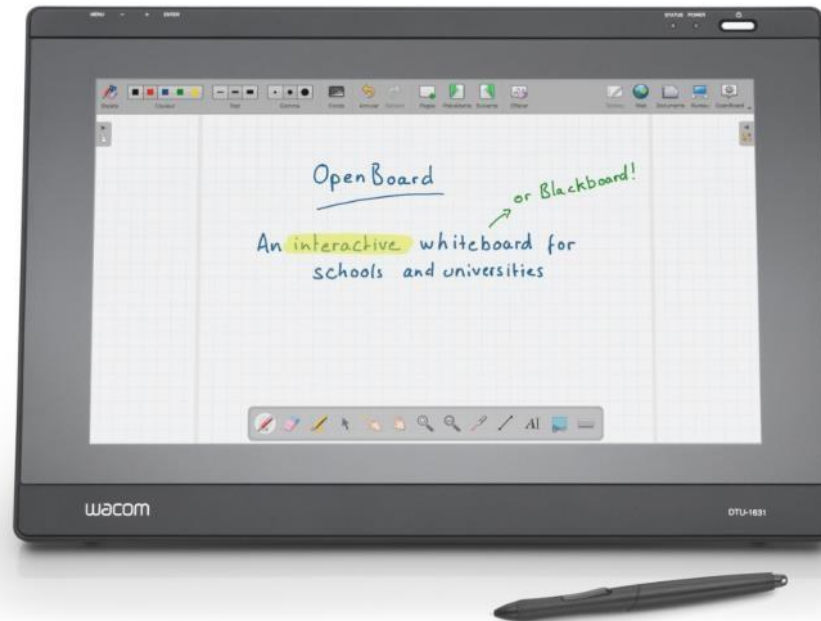
OpenBoard is easy to use yet powerful. It is a tool that can help you do your job and does not get in the way.

## 🎓 K-12 to Academia

Engage K-12 Student with interactive courses or give the perfect lecture at University.

## ✍ Handwriting

Use a pen tablet, an interactive whiteboard or even a mouse to write and annotate your course. We are constantly working to improve the writing experience.



# EdPuzzle

[www.edpuzzle.com](http://www.edpuzzle.com)

The screenshot displays the EdPuzzle web interface. At the top, the logo "EDpuzzle" is on the left, and navigation links for "Home", "My Videos", "My Classes", and "Matt Hurst" are on the right. Below the navigation bar is a control bar with icons for "Back", "Scissors", "Microphone", "Speaker", a green question mark, a purple save icon, and a green "Save" button.

The main content area features a video player. The video frame shows a woman in a blue shirt and orange pants. On the left, she is standing with her arms at her sides, and the text "I-----MASS-----I" is above her. On the right, she is spinning with her arms extended, and the text "I-----MASS-----I" is above her. In the center, the text "ANGULAR MOMENTUM IS CONSERVED" is written in red. Below the video player is a progress bar with a play button on the left and a green question mark icon on the right. The video duration is shown as "1:17 / 2:28".

On the right side of the interface is a question editor panel. It has tabs for "Create", "Test", and "Comment". The "Test" tab is active. The panel contains the text "Add your test question below" and a list of questions. The first question is "1. How would you define CD puzzle?". Below it is a text input field with a red "X" icon and the text "This value is required". There are two more text input fields, each with a green checkmark icon and a red "X" icon. At the bottom of the panel is a button labeled "Add answer".

← → ↻ 🔒 <https://edpuzzle.com/media/5d25fe48f9e97840bfd98e89/edit> 🔍 ☆ 📌




edpuzzle  Saved a few seconds ago Save Finish

Crop Video Voiceover Audio Notes Quizzes


**Ways to prove if a quadrilateral is a parallelogram:**

- opposite sides parallel
- opposite sides congruent
- opposite angles congruent
- consecutive angles supplementary
- diagonals bisect each other
- one pair of opposite sides are parallel and congruent

Ex: Can you prove the following are parallelograms?

a)  b)  c) 

Ex: Prove the theorem: If one pair of sides of a quadrilateral is parallel and congruent, then it is a parallelogram.



05:18 / 07:48

<https://edpuzzle.com/media/5d25fe48f9e97840bfd98e89/edit...>

1 of 1 +

**B I U**  $x^2$   $x_n$   $\infty$   $\int$   $f_x$  🗑️

Type your multiple-choice question here

✓ ✗

**B I U**  $x^2$   $x_n$   $\infty$   $\int$   $f_x$

Type a choice here

🔄 Feedback

✓ ✗

**B I U**  $x^2$   $x_n$   $\infty$   $\int$   $f_x$

Type a choice here

🔄 Feedback

⊕ Add answer

# Plickers

[www.plickers.com](http://www.plickers.com)

The screenshot shows the Plickers web application interface for editing a new set. The browser address bar shows the URL <https://www.plickers.com/seteditor/newSet>. The page title is "Untitled Set".

The interface includes a top navigation bar with a home icon, a plus icon, and the text "Untitled Set". On the right side of this bar are buttons for "Print Handout" and a menu icon. Below this is a secondary bar with "Graded" and "Survey" tabs, and "Duplicate" and "Delete" buttons.

The main content area is a large white box containing the text "Click here to edit question". Below this are four multiple-choice options, each with a lettered label (A, B, C, D) and the text "Click here to edit", followed by a small 'x' icon for deletion. At the bottom of this main area is a button labeled "Set as True/False".

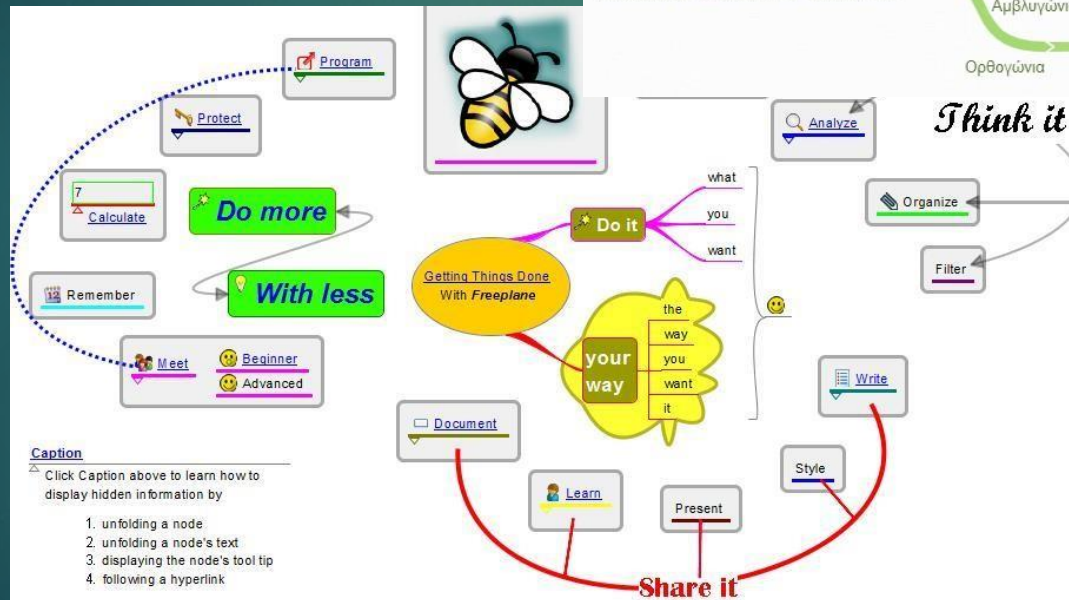
On the left side, there is a sidebar with a blue border containing a list of questions, with the first item labeled "1 Click here to edit question".

At the bottom left of the page, there is a link that says "Learn about Plickers Pro". At the bottom right, there is a small icon representing a chat or help function.



# Hartă mentală

- Coggle.it





# Google Forms

The screenshot displays the Google Forms editor interface. At the top, there is a navigation bar with a back arrow, the text "Assessment", a folder icon, a star icon, and a "SEND" button. To the right of the "SEND" button are icons for a palette, an eye, a gear, and a checkmark. Below the navigation bar, there are two tabs: "QUESTIONS" (which is selected and underlined) and "RESPONSES". To the right of these tabs, it says "Total points: 2".

The main content area shows a question being edited. At the top of this question is a "Short answer text" field. Below it is a "Quiz Questions" section with a title "Quiz Questions" and a "Description (optional)" field. The question text is "Your first question? \*". It has four radio button options: "Option 1", "Correct answer", "Option 3", and "Option 4". Below this is another question: "Your second question? \*". It has two checkbox options: "Option 1" and "Correct answer 1".

On the right side of the editor, there is a vertical toolbar with icons for adding a new question (+), duplicating a question (two overlapping squares), deleting a question (trash can), and other editing tools. At the bottom right corner, there is a small question mark icon.

# StoryboardThat

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# Activități culturale în Atena

## VIZITĂ LA ACROPOLE



## VIZITĂ LA TEMPLUL AGORA ȘI POARTA ROMANĂ





# Poarta lui Adrian



# Templul lui Zeus

# Situl Kerameikos



# Muzeul Benaki





# Piața de pește



# Terase cu specific local și buticuri





# Porții de mâncare generoase și gustoase!



# Întâlnire cu Marea Egee

