



EXPLORE MATH

Explore Desmos

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What is Desmos?

Desmos is an advanced graphing calculator implemented as a web application and a mobile application .

It was founded by Eli Luberoff, and was launched in 2011.

Users can easily create ,save and share the graphs and plots for free.

How to use Desmos Graphing Calculator ?

- **Open any browser and go to desmos.com**
- **Click on “Graphing Calculator”**
- **Create new graphs by typing expressions in the expression bars**
- **Name your own graphs and plots**
- **Login to save your work and share with the help of permalink**

We will learn -

- **To Free draw your own shapes anywhere on the graph**
- **To make the graph dynamic by adding sliders**
- **To Choose between Cartesian and Polar grids**
- **To Choose between radians and degrees here**
- **To choose colours to distinguish between Multiple Graphs on same sheet**
- **To Create a movable point**
- **To switch to Projector Mode**
- **To Insert Photos**
- **To Sign in to save, open and share your graphs anytime you wish**

How Desmos helps students and teachers?

- Apart from graphing equations and inequalities, it also features -
 - Lists, plots, regressions, interactive variables, graph restriction, simultaneous graphing, piecewise function graphing, polar function graphing, two types of graphing grids.
- The tool comes pre-programmed with 36 different example graphs
- The tool is available in about 30 languages.
- Offers unique and engaging group activities
- Students learn about relationship b/w graphs and real life situations represented

Some other benefits of Desmos Graphing Calculator

- **Navigate smooth,easy and fast**
- **Extract graphs**
- **Create folders for managing and collapsing your work anytime**
- **Switch between table and equation forms of the functions**
- **Create quizzes or assignments**

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$x = 7.25 \{-2 < y < 0\}$

$y = -1 \{7.25 < x < 8.25\}$

$x = 8.25 \{-2 < y < 0\}$

$x = -0.7 \{-2 < y < 0\}$

$x = 0.7 \{-2 < y < 0\}$

$y = -\left(\frac{8}{3}|x-2|\right) \{-2 < y\}$

$y = - \{1.668 < x < 2.42\}$

$y = |1.5x| - 1 \{-0.675 \leq x \leq 0.675\}$

$y = -1.6x + 5.8 \{-2 \leq y \leq -0.05\}$

$x = -[1.5(y+1.8)^2 - 6.6] \{-2.2 < y < -1\}$

$1.5(y+0.6)^2 + 5.5 \{-1.2 < y < 0\}$



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Permalink to this graph sheet:

<https://www.desmos.com/calculator/wsqe66ng>