

Beginning To Use Desmos in the Classroom

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How do I use Desmos?

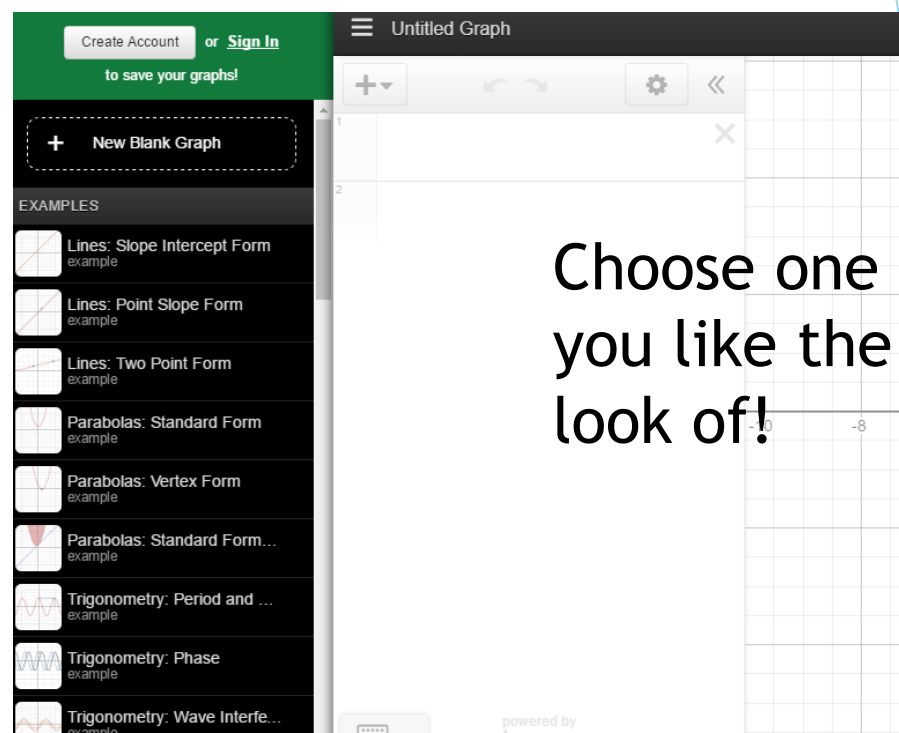
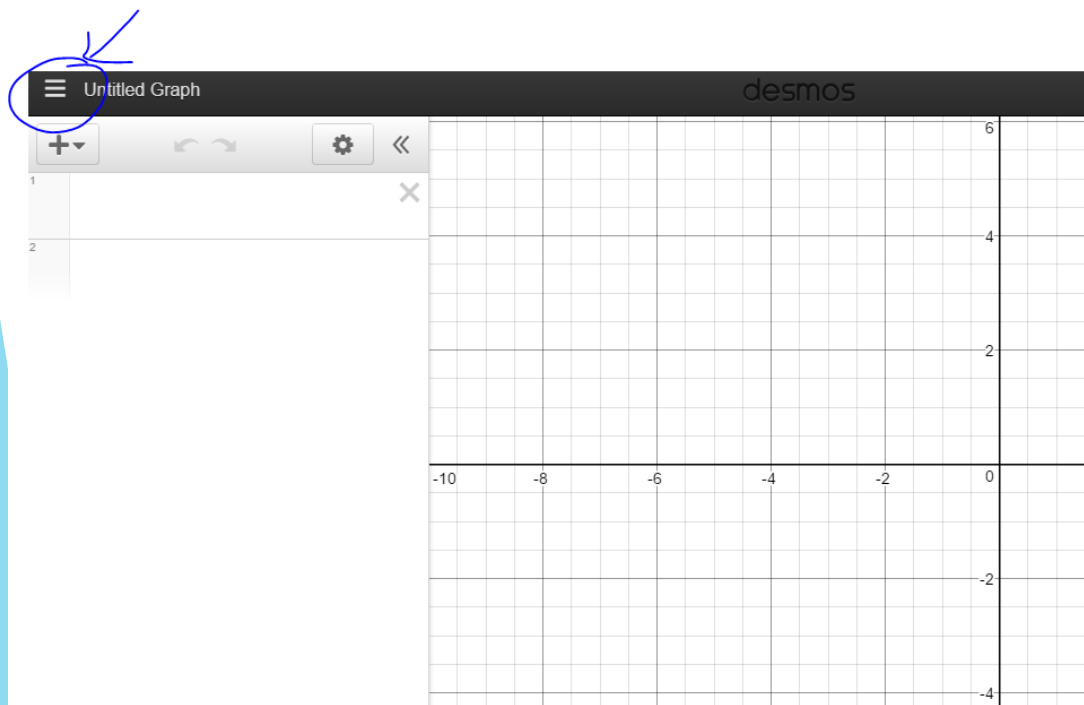
- ▶ Quick demonstration on board, e.g. here is a graph of this function
- ▶ Pre-planned demonstration, e.g. this is how the gradient changes a straight line graph, simultaneous equations, transformations, integrals and derivatives
- ▶ Pre-planned whole class activity, e.g. Marbleslides
- ▶ Students use to check work

What Will We Do Today?

- ▶ Create an account to save work
- ▶ Explore some default graphs that are useful for quick planning
- ▶ Learn how to create basic graphs
- ▶ See how a whole class activity is run
- ▶ Create our own activities using the Desmos activity building tools

Getting Started

- ▶ Either using the app or www.desmos.com, create a free account so you can save your work
- ▶ Now play with some of the default graphs:



Basic Graphing

- ▶ Lines, quadratics, etc, intersections (restrictions)
- ▶ Points
- ▶ Sliders - transformations
- ▶ Functions such as sin, cos, tan
<https://www.desmos.com/calculator/yh2vb4hjvd>
- ▶ Inequalities
- ▶ Parametric form
- ▶ Functions
<https://www.desmos.com/calculator/jsqwyphg59>
- ▶ Tables and regression
- ▶ Data functions

Creating and Running Activities

- ▶ <https://teacher.desmos.com/bookmarked> - running a class activity

Go to student.desmos.com

- ▶ <https://teacher.desmos.com/activitybuilder/custom/58e0cf6b0c869a4d7b955fb2>

- ▶ Now try to build your own: teacher.desmos.com

Some good activities that already exist

- ▶ You can search for pre-existing activities rather than creating your own, e.g.
- ▶ Rotations: <https://www.desmos.com/calculator/kohoey3j60>
- ▶ Marbleslide Parabolas: <https://teacher.desmos.com/marbleslides-parabolas>
- ▶ Mini-golf:
<https://teacher.desmos.com/activitybuilder/custom/589e5e51e9baeda305df5cf3>
- ▶ Lissajous curves: <https://www.desmos.com/calculator/tyjkpwuotb>
- ▶ Spirograph: <https://www.desmos.com/calculator/m15ffczaiz>