# GeoGebra

www.geogebra.org

GeoGebra is free, powerful dynamic geometry/algebra software. It is very useful for making diagrams and graphing functions (that can also be copied and pasted into other documents), but can do a great deal more, including exporting dynamic figures to create webpages. Here is the description from the website:

> GeoGebra is a dynamic mathematics software for schools that joins geometry, algebra and calculus.
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> On the one hand, GeoGebra is an interactive geometry system. You can do constructions with points, vectors, segments, lines, conic sections as well as functions and change them dynamically afterwards.
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> On the other hand, equations and coordinates can be entered directly. Thus, GeoGebra has the ability to deal with variables for numbers, vectors and points, finds derivatives and integrals of functions and offers commands like Root or Extremum.
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> These two views are characteristic of GeoGebra: an expression in the algebra window corresponds to an object in the geometry window and vice versa.