

## Selected Commands in GeoGebra

Solely using tools in toolbars is not enough to fully utilize GeoGebra. There are about 500 commands available in GeoGebra. The full list is available at [www.geogebra.org/manual/en/Commands](http://www.geogebra.org/manual/en/Commands). Below are some of the commands which do not appear in toolbars but may be useful in primary or secondary school contexts. Similar commands are written on the same lines and separated by commas.

<p><b><u>Algebra</u></b>  Expand, Factor  Simplify  GCD, LCM  Div, Mod, Division  Divisors, DivisorsList  IsPrime, PrimeFactors  NextPrime, PreviousPrime  Min, Max  FromBase, ToBase  MixedNumber, Rationalize  CompleteSquare  Product</p> <p><b><u>Chart</u></b>  BarChart  BoxPlot  DotPlot  FrequencyPolygon  FrequencyTable  Histogram  StemPlot</p> <p><b><u>Conic</u></b>  Incircle</p> <p><b><u>Function and Calculus</u></b>  Coefficients  Curve  Degree  Factors  Function  Polynomial  ImplicitCurve  Roots, ComplexRoot  Limit  Derivatives  Integral, IntegralBetween  UpperSum, LowerSum  LeftSum, RightSum  RectangleSum  TrapezoidalSum</p> <p><b><u>GeoGebra</u></b>  AxisStepX, AxisStepY  Corner  DynamicCoordinates  SlowPlot</p>	<p><b><u>Geometry</u></b>  Radius  Perimeter  TriangleCenter  Vertex  Locus, LocusEquation</p> <p><b><u>List</u></b>  Append, Insert, Join  Element, Take  First, Last  IndexOf  Intersection, Union  Flatten  RandomElement  Remove, RemoveUndefined  Reverse, Sort  SelectedElement  SelectedIndex  Unique, Frequency  Sequence  Zip</p> <p><b><u>Logical</u></b>  CountIf  If  IsDefined  IsInRegion  IsInteger  KeepIf</p> <p><b><u>Probability</u></b>  BinomialCoefficient  nPr  RandomBetween  RandomPolynomial</p> <p><b><u>Statistics</u></b>  Sum  Mean, Median, Mode  Q1, Q3  SD, Variance  Shuffle  Sample</p>	<p><b><u>Vector and Matrix</u></b>  Dimension  Determinant  Invert, Transpose  ReducedRowEchelonForm  PerpendicularVector  UnitPerpendicularVector  Vector, UnitVector</p> <p><b><u>Text</u></b>  FormulaText  FractionText  ScientificText  SurdText  TableText  Ordinal</p> <p><b><u>Scripting</u></b>  CenterView, Pan  GetTime  RunClickScript, RunUpdateScript  SetActiveView  SetAxesRatio  SetCaption, SetColor  SetFixed  SetValue  SetCoords  SetVisibleInView  SetTrace  ShowAxes  ShowGrid  ShowLabel  StartAnimation  UpdateConstruction  ZoomIn, ZoomOut  ParseToNumber, ParseToFunction  Execute  Delete  Turtle  TurtleUp, TurtleDown  TurtleForward, TurtleBack  TurtleLeft, TurtleRight  Repeat</p> <p><b><u>3D</u></b>  Surface</p>
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