

Geogebra Workshop <http://www.geogebra.org/cms/>

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To structure our learning, and to make learning visible, I have an "I can do" Checklist for you ☺

My Goal for today is: _____

For Achieved I can

- ✓ Draw a graph
- ✓ Add or remove the axis
- ✓ Add or remove the grid
- ✓ Add or remove the algebra window
- ✓ Draw polygons, points and lines
- ✓ Change colours and thickness of lines
- ✓ Add and remove labels
- ✓ Hide objects
- ✓ Place a tangent on a curve
- ✓ Construct a midpoint, perpendicular line, parallel lines etc

For Merit I can

- ✓ Make a slider
- ✓ Use the slider to transform a graph
- ✓ Use the slider to transform an object (eg as a scale factor)
- ✓ Use the slider to animate an object or point
- ✓ Make a check box
- ✓ Use the check box to show/hide an object (conditional visibility)
- ✓ Insert text that shows the equation of my graph
- ✓ Show the slope of a line (in a text box)
- ✓ Show the area of a polygon in a text box
- ✓ Trace a point or object

For Excellence I can

- ✓ Use the Integral and integral between commands. Hint: function notation is required for integration eg. $y=x^2$ does not work, $f(x)=x^2$ does, Input bar: `integral[f,1,2]`
- ✓ Change the coordinates of a point by using the coordinates of other points $x(A)$ and $y(B)$
- ✓ Change the coordinates of a point using variables (an area or slope)
- ✓ Construct an applet which graphs the slope of a tangent to a curve
- ✓ Construct an applet which graphs the area under a graph between 2 points
- ✓ My applet used conditional visibility, changing text and is designed for my students
- ✓ I will use my applet in my classroom!