Figures

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# Geometry

|  |  |
| --- | --- |
| B  C  A | **Right angled triangle** |
| A  B  C  c  a  b | **Any triangle**  Drag the angle letter to change the triangle  For drawing triangles you should consider using the triangle solver, which can draw a triangle to the scale. |

Similar triangles:

b

A

B

C

c

a

A

B

C

c1

a1

b1

|  |  |
| --- | --- |
| cos(v)  sin(v)  v | **Unit circle**  The circle and coordinate system are fixed.  The lines and text can be moved, changed or deleted.  Hold the alt-button to allow accurate placement of the lines (or they might snap to the grid)  Also the width and length og the lines can be stated in the menu.  keyboard arrows can also move shapes. |

# Functions

|  |  |
| --- | --- |
| x  y | Coordinate system for a sketch.  Use Word shapes to draw lines, arc or free hand drawing in the coordinate system. The axes can easily be moved up/down and left/right |
| y  x |  |

## Monotonilines

Templates which can be adjusted

|  |  |
| --- | --- |
| x  f’(x)  f(x)  X1  X2\_  0  0  **+**  **-**  **+** |  |
| x  f’(x)  f(x)  X1  X2\_  n.d.  0  **-**  **-**  **+** |  |
| x  f’(x)  f(x)  0  X1  0  **-**  **+**  nd |  |
| x  A’(x)  A(x)  0  X1  0  **+**  **-**  nd  5  nd |  |