```
xRange(x1, x2)
yRange(y1, y2)
xMargin(left, right)
yMargin(bottom, top)
rotate(angle)
drawGridlines(showOrigin, showPerimeter)
drawLineStart(x, y)
drawLine(x, y, colour, width, dotted)
drawLineEnd(fill)
drawLineSegment(x1, y1, x2, y2, colour, width, dotted)
text(x, y, text, colour, font, angle)
drawSquare(x1, y1, x2, y2, colour, fill)
drawCircle(x, y, xRadius, yRadius, colour, fill)
drawPolygon (xArray, yArray, colour, fill)
```

Javascript Libraries Boolean | Array | Back-end | Front-end

canvasGraphs is a class-extension of canvasPositionTranslator containing methods
for visualizing data from one or more arrays. Methods included are:

- dataset(graphID, dataset1, dataset2)
- drawBarGraph(graphID, xTitle, yTitle)
- drawPieChart(graphID)
- drawLineGraph(graphID, xTitle, yTitle)
- drawScatterPlot(graphID, xTitle, yTitle)

CartesianMethods is a class-extension of canvasPositionTranslator containing numerical methods for visualizing and calculating new graphs of functions.

Methods included are:

- drawGraph
- drawDerivative
- drawTangent
- drawPointonGraph

NumericalMethods is a set of functions for simplifying javascript syntax. Fuctions are included are:

- * \$(id)
- \$set(attribute, id, value)
- \$get(attribute, id)
- \$ \$setClick(id, action)
- \$getClick(id)
- \$uniqueData(array)
- randomNumber(min, max)
- randomColour(shade)
- randomOrder(array)

NoHTML4UI is a class containing methods for creating HTML-fields for input and output, with javascript. Methods included are:

- text(inputIdArray)
- list(inputIdArray, dropdownValueArray)
- checkbox(inputIdArray)
- output(text, empty)
- removeInput(inputIdArray)