Code:

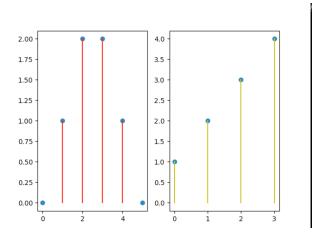
draw(x, y, col, column): Draws a plot with input 'x', output 'y', color 'col' into 'column' subplot.

standard_deviation(x): Returns standard derivative of list 'x'.

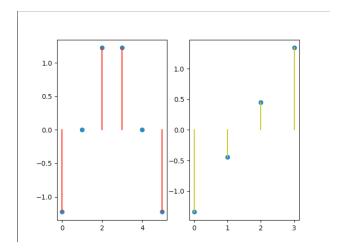
standard_normalize(x): Performs standard normalization on list 'x' and returns a new list.

convolution(a, b): Return convolution of 'a' and 'b'.

(functionA)



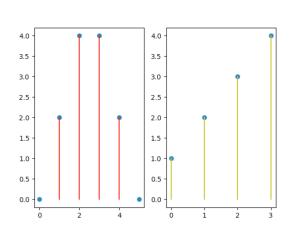
(functionB)



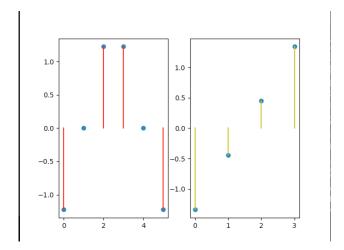
(functionC) [0, 1, 4, 9, 15, 16, 11, 4, 0]

 $\begin{array}{l} \textbf{(functionD)} \ [1.6431676725154982, \ 0.5477225575051661, \ -2.1908902300206643, \\ -3.8340579025361627, \ 0.0, \ 3.8340579025361627, \ 2.1908902300206643, \ -0.5477225575051661, \\ -1.6431676725154982] \end{array}$

(functionA)



(functionB)

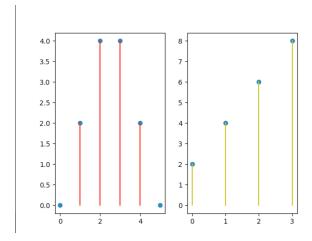


(functionC) [0, 2, 8, 18, 30, 32, 22, 8, 0]

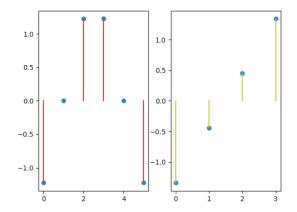
(functionD) [1.6431676725154982, 0.5477225575051661, -2.1908902300206643, $-3.8340579025361627,\ 0.0,\ 3.8340579025361627,\ 2.1908902300206643,\ -0.5477225575051661,$

-1.6431676725154982]

(functionA)



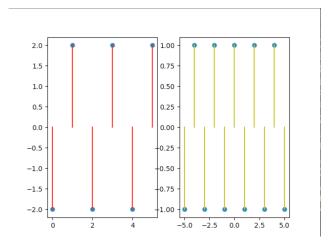
(functionB)



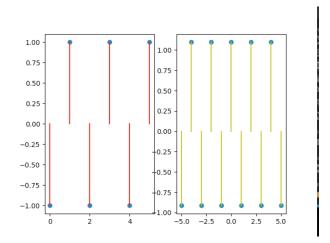
(functionC) [0, 4, 16, 36, 60, 64, 44, 16, 0]

 $\begin{array}{l} \textbf{(functionD)} \ [1.6431676725154982, \ 0.5477225575051661, \ -2.1908902300206643, \\ -3.8340579025361627, \ 0.0, \ 3.8340579025361627, \ 2.1908902300206643, \ -0.5477225575051661, \\ -1.6431676725154982] \end{array}$

(functionA)



(functionB)



(functionC) [2, -4, 6, -8, 10, -12, 12, -12, 12, -12, 12, -10, 8, -6, 4, -2]

 $\begin{array}{l} \textbf{(functionD)} \ [0.9128709291752769, \ -2.008316044185609, \ 2.921186973360886, \ -4.016632088371218, \\ 4.929503017546495, \ -6.024948132556828, \ 6.024948132556828, \ -6.024948132556828, \\ 6.024948132556828, \ -6.024948132556828, \ -6.024948132556828, \ -4.929503017546495, \\ 4.016632088371218, \ -2.921186973360886, \ 2.008316044185609, \ -0.9128709291752769] \end{array}$