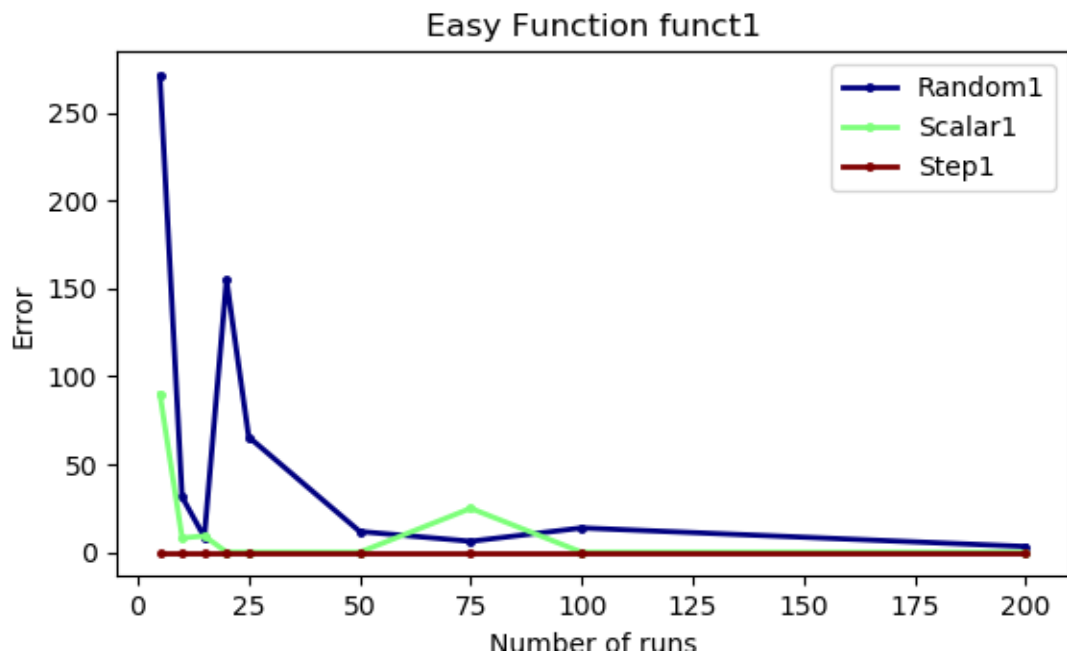
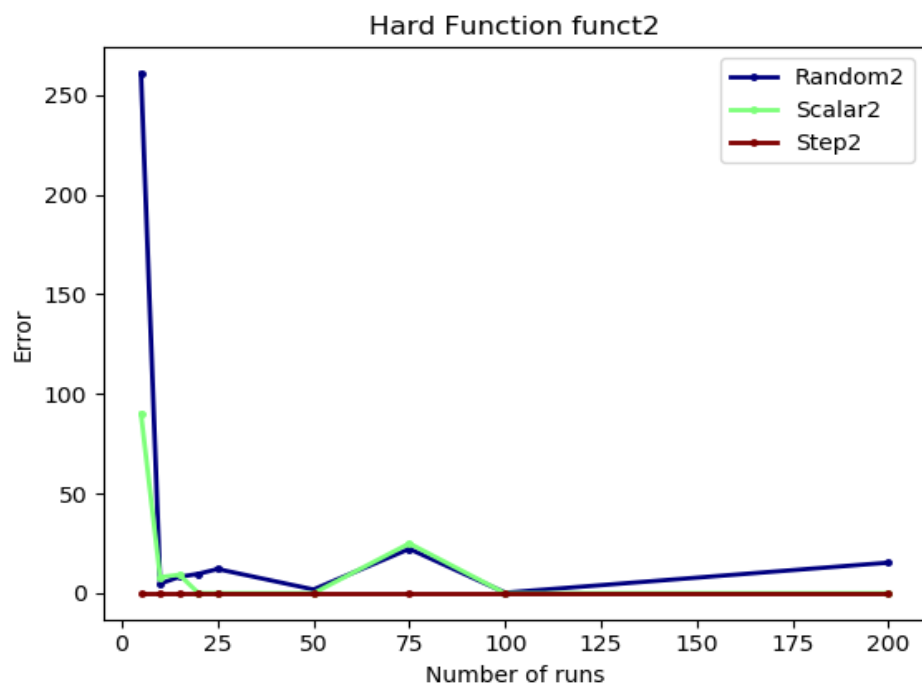


Graphs for optimize.py:

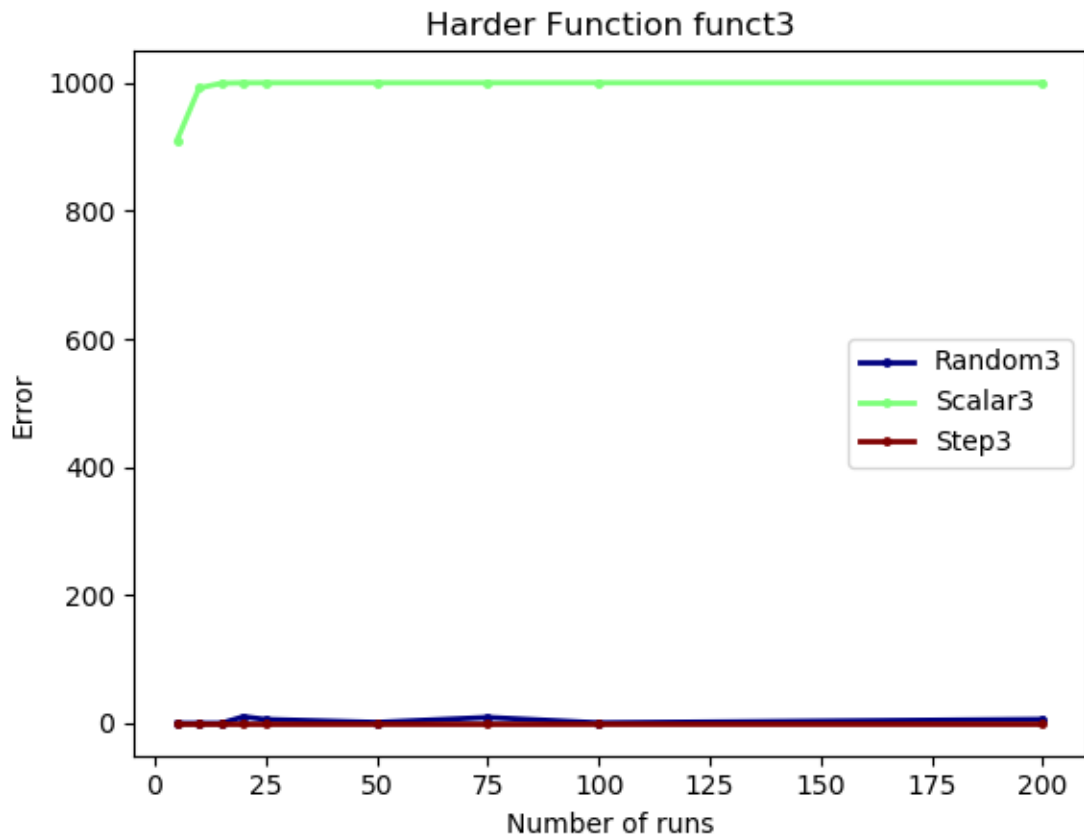
Easy function: x^2



Hard Function: $x^3 - (4x^2) + (6x) + 5$



Harder Function: $1/\text{np.sqrt}(2*\text{np.pi}))*\text{np.exp}(-(x**2)/2)$



For this function, I don't know why but for some reason the built-in- optimizer wasn't performing well and there was a constant and large approximation error. Maybe because in this case the lower the x value the larger was the value of the function.

Graph for integrate.py:

