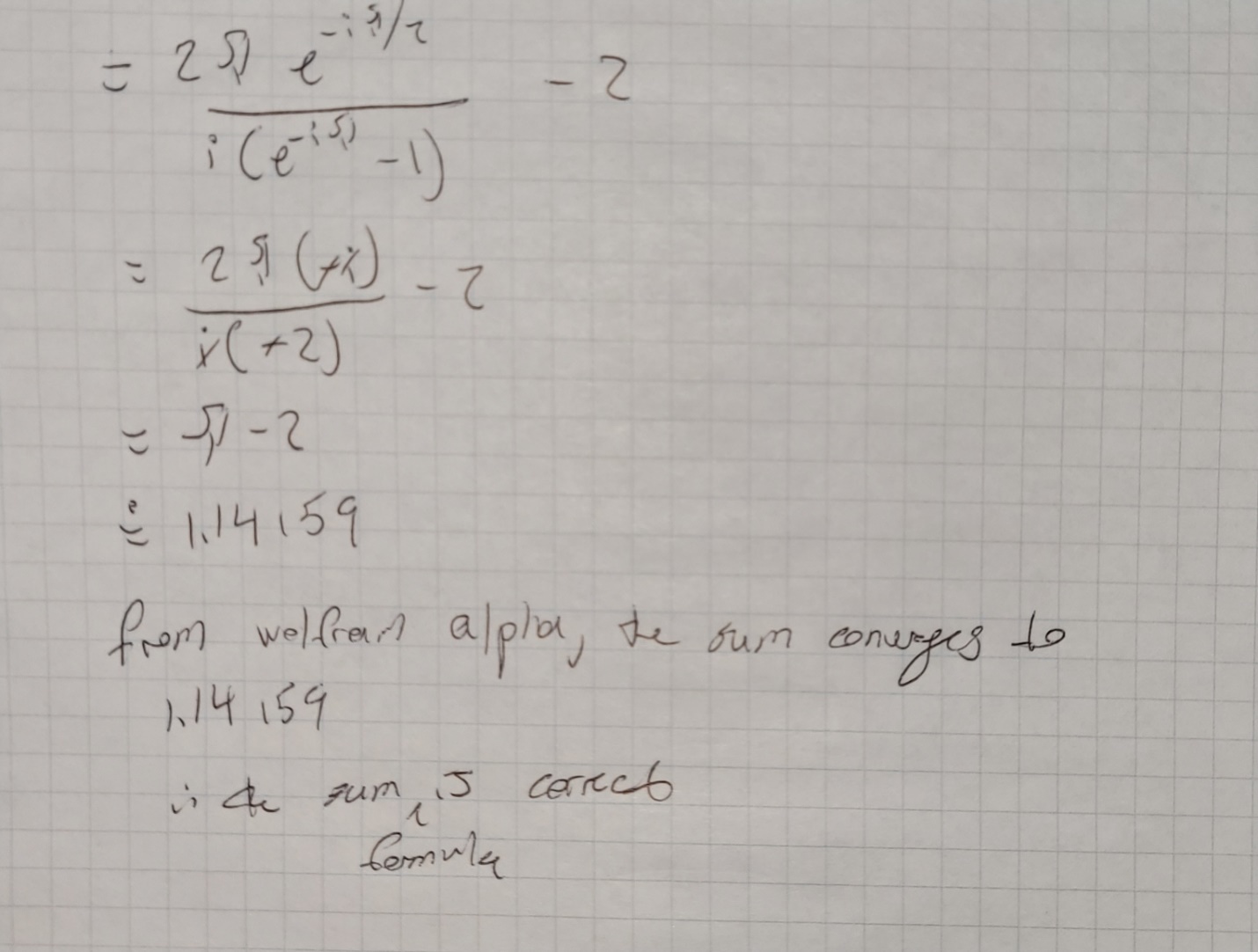
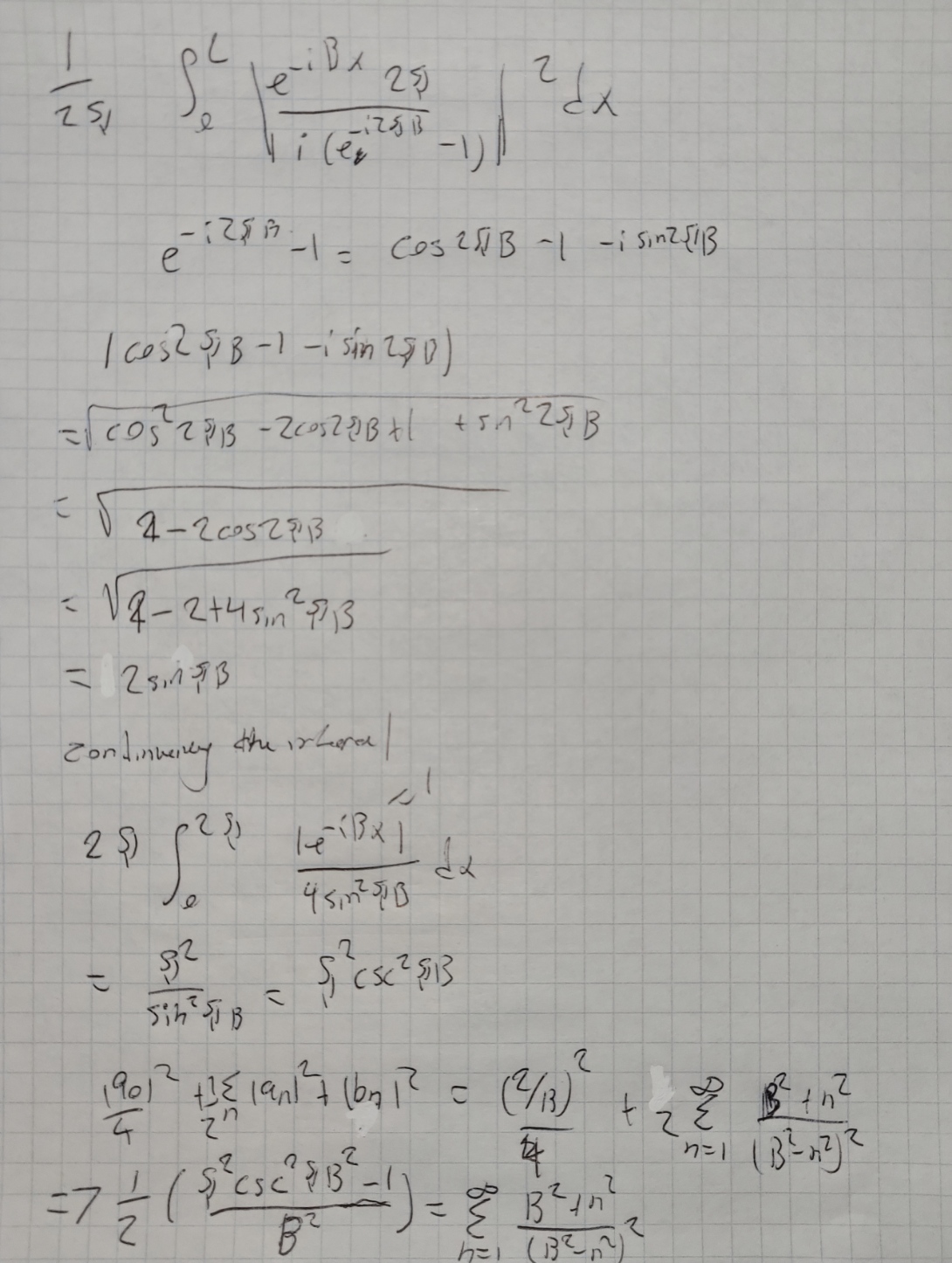
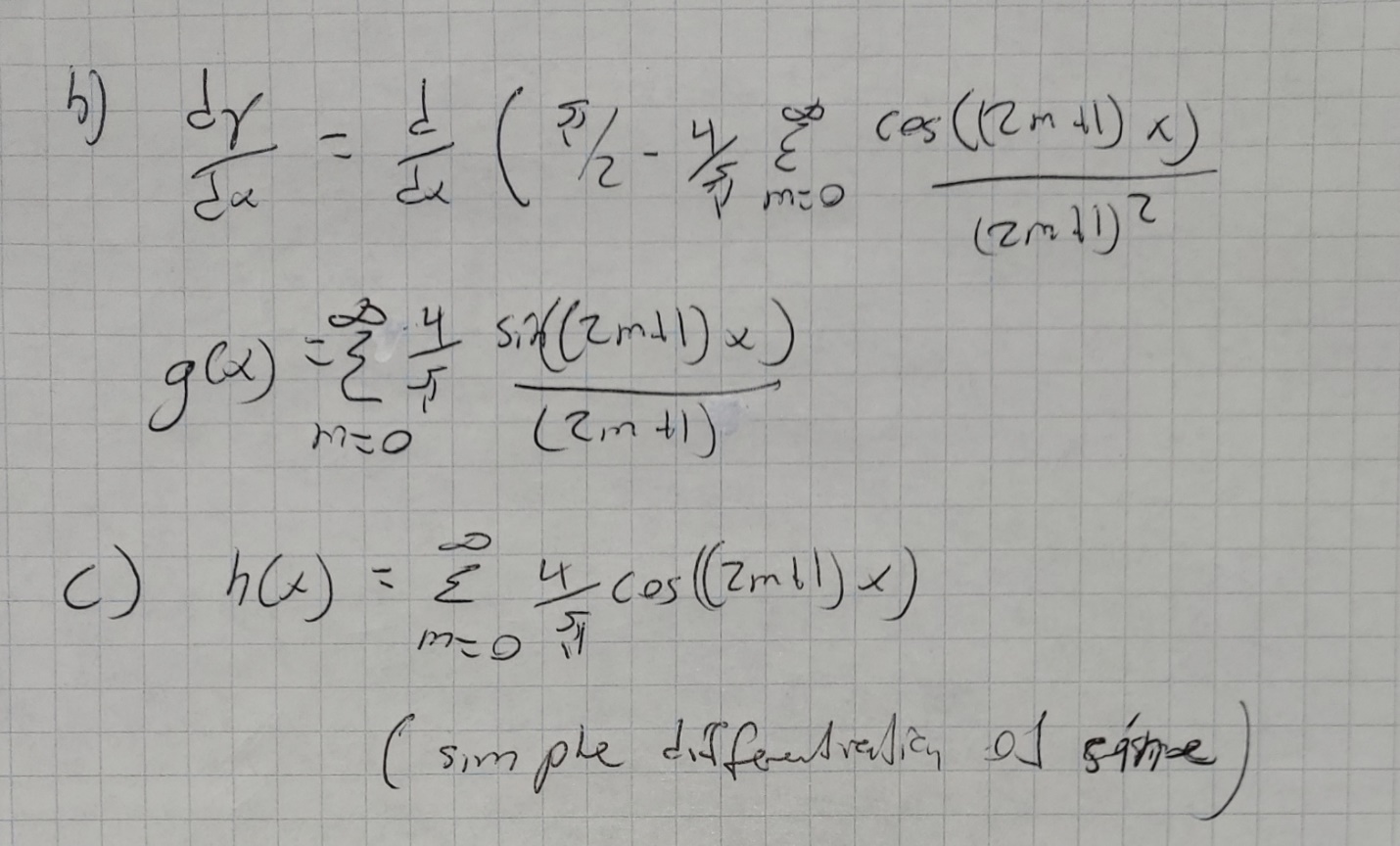
A piece of paper with writing on it

Description automatically generated with medium confidenceDiagram, text

Description automatically generatedA piece of paper with writing

Description automatically generated with medium confidenceA piece of paper with writing

Description automatically generated with medium confidenceA piece of paper with writing on it

Description automatically generated

d)

All fourier series were plotted with different number of terms against the analytical solution

f(x) Chart, line chart

Description automatically generated

g(x) Chart, histogram

Description automatically generated

h(x), actual function not shown because it is not possible to show a real plot of a Dirac Delta. However, the function should be 2δ(X). At higher values for m, the peak was not visible as it got too narrow.