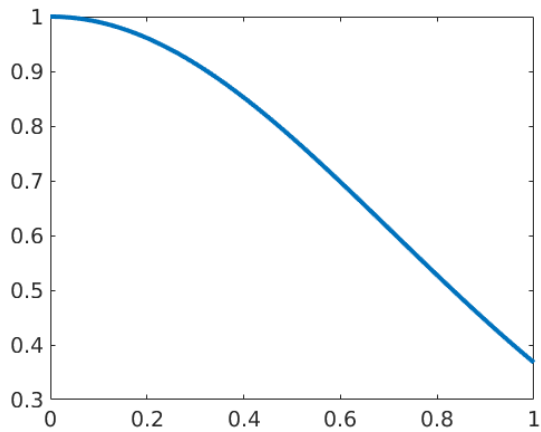
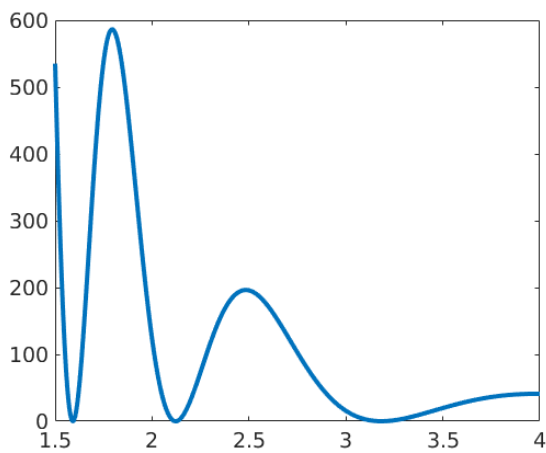


Approximating $\int_0^1 \exp(-x^2) dx$ using Gaussian quadrature.



number of points	relative error
1	4.28168e-02
2	3.07227e-04
3	1.27856e-05
4	4.48993e-07
5	8.09585e-09
6	1.04079e-10
7	1.05608e-12
8	8.77089e-15

Approximating $\int_{1.5}^4 \frac{200}{2x^3 - x^2} \left(\sin\left(\frac{20}{x}\right) \right) dx$ using Gaussian quadrature.



number of points	relative error
1	8.71815e-02
2	6.07868e-01
3	9.30954e-01
4	1.52186e-01
5	6.01845e-01
6	1.53077e-02
7	1.05980e-01
8	1.34111e-02

Approximating $\int_{1.5}^4 \frac{200}{2x^3 - x^2} \left(\sin\left(\frac{20}{x}\right) \right) dx$ using composite quadrature.

