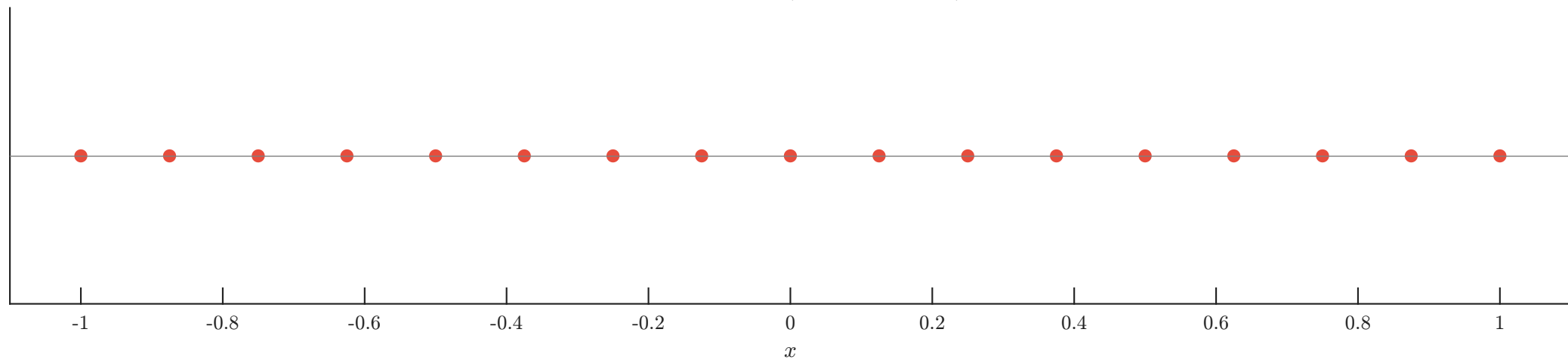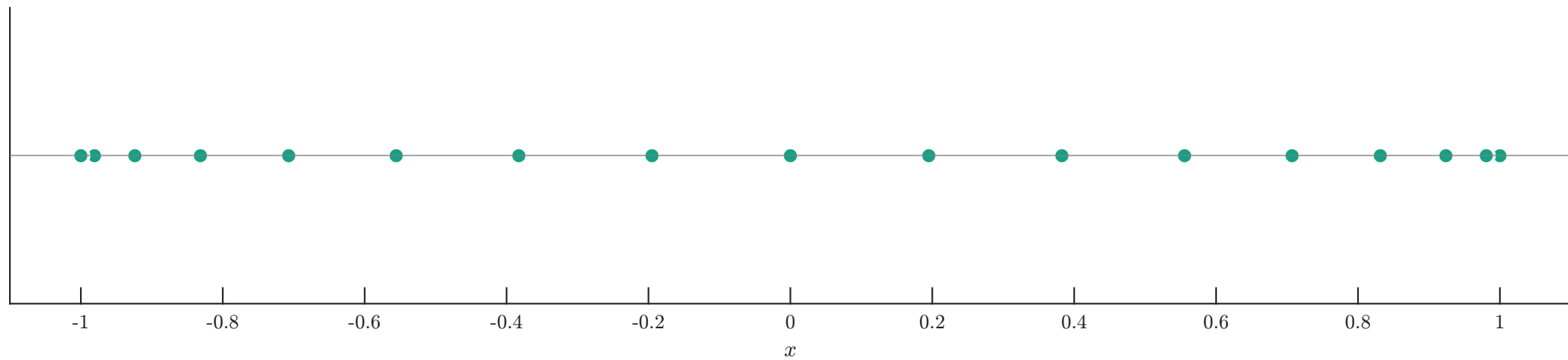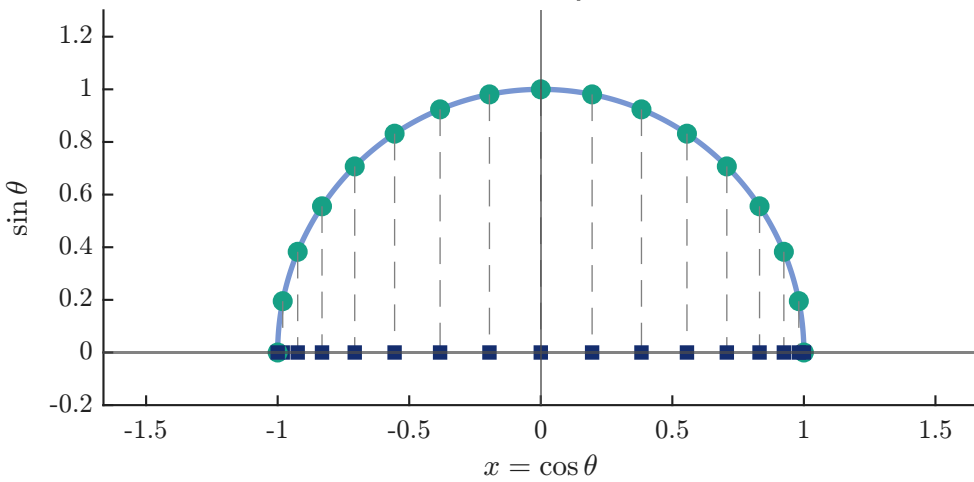Equispaced vs. Chebyshev-Gauss-Lobatto Grids

Equispaced Grid ($N = 16$ intervals)

Chebyshev-Gauss-Lobatto Grid ($N = 16$ intervals)

Circle Projection: $x_j = \cos(j\pi/N)$

Grid Spacing Near Boundary