Smith chart

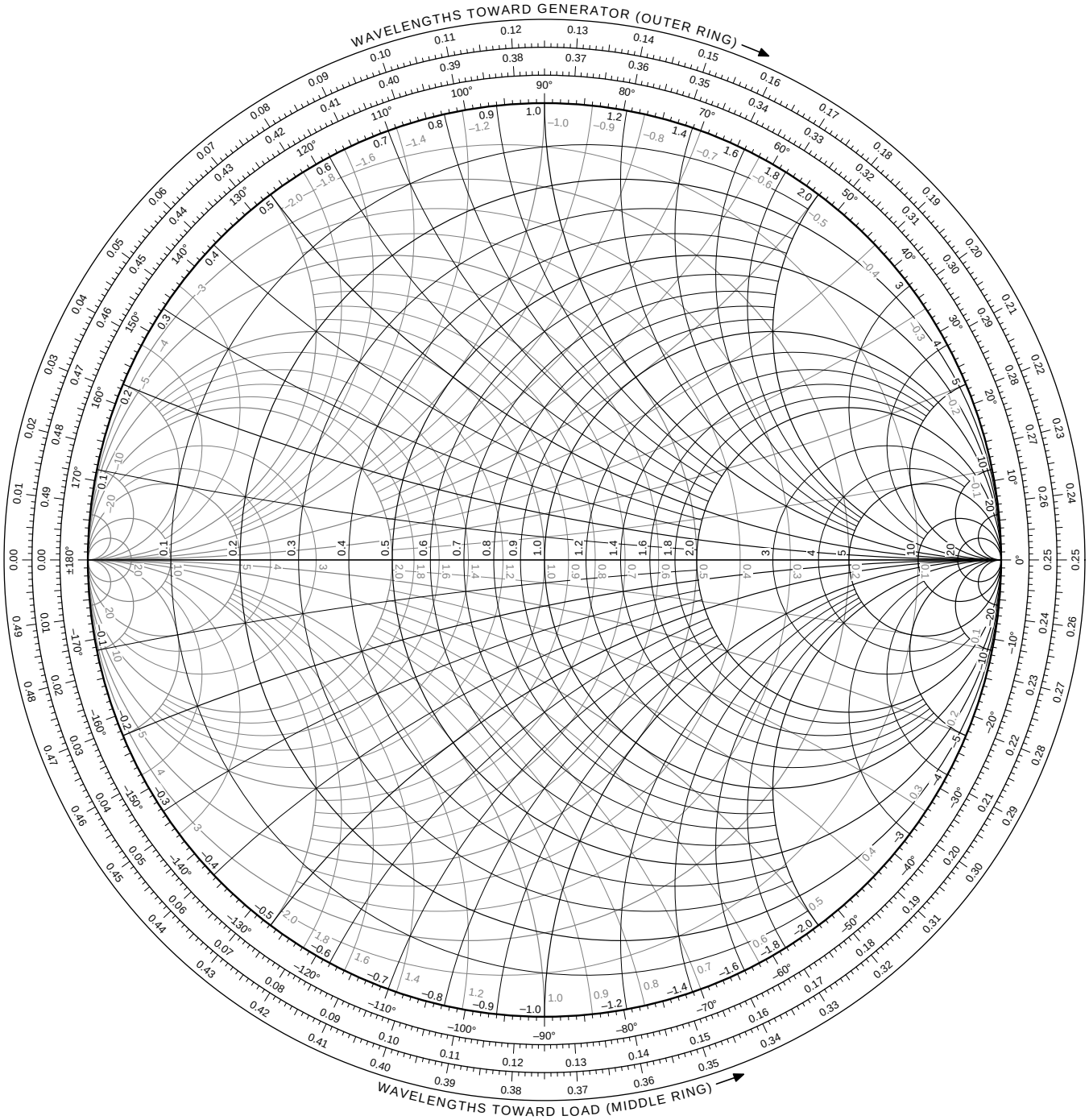
Impedance and admittance (Z and Y)

Z0 = _____

Name _____

Problem _____

Date _____



The outer grid circle (reflection coefficient magnitude 1) is 150 mm across when printed at 100% (actual size). The bar below is 100 mm.
Outer ring: wavelengths toward generator, clockwise from the short (0.00 at the left).
Middle ring: wavelengths toward load, counterclockwise from the short. Inner ring: angle of reflection coefficient, degrees.
Black: impedance, r labels above the axis and x inside the rim. Gray: admittance, g below the axis and b inside the rim.

0 50 mm 100 mm