1. For the two-port shown, \( y_{11} = y_{22} = \frac{7s^2 + 1}{16s^3 + 4s} \). Find the element values.

2. Find the open-circuit impedance parameters of the two-port shown below.

3. Find the input impedance and the output (Thevenin) impedance of the linear Gm-C section shown.