Analog Electronics   **Hwk 3a**

For the circuit below,

a) Find the transfer function:

$$T(s) = V_i(s)/V_s(s)$$

b) Is this a high-pass or a low-pass network?
c) What is its transmission at very high frequencies?
d) What is the corner (-3 dB) frequency ω_o for

$$R_s = 20k\Omega, \quad R_i = 40k\Omega, \quad and \quad C_i = 2pF$$

e) What is the value of
$$|T(j\omega_o)|$$