1. For the second circuit ("No transmission zeros") on p.39 of the notes, calculate $V_{out}(s)$. Show that in fact no transmission zeros exist.

2. Fig. (a) below shows a popular realization of a gyrator. Due to parasitic elements, a more realistic equivalent circuit is shown in (b). Find the input admittance $Y(s)$ for circuit (b), and draw the passive RLC equivalent realization of $Y(s)$. 