Lab on Wed __Thu ___Fri____

___Fri____ Name (PRINT

Name (PRINT): Kerret (LAST NAME)

(Frist Name)

(Pay attention to the notation completeness and rigor of analytics).

6.1. Find the transfer function of the following circuit as defined: (10 points)

$$H_1(s) = \frac{I_R(s)}{I_{in}(s)}$$

$$I_{R}(s) = \frac{g}{2 + g} I_{in}(s)$$

$$= \frac{g}{2 + g} I_{in}(s) = \frac{4}{8 + 4} I_{in}(s)$$

$$2\Re \left\{ \frac{\sqrt{2}R(t)}{8} \right\}$$

$$I_{in}(s)$$
 \uparrow $2 \neq \frac{9}{5}$

$$H_2(s) = \frac{I_c(s)}{I_{in}(s)}$$

$$\underline{T}_{c}(s) = \frac{2}{8+2} \underline{T}_{in}(s) = \frac{zs}{8+2s} \underline{T}_{in}(s) = \frac{s}{4+s} \underline{T}_{in}(s)$$