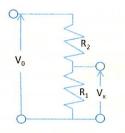
Voltage Divider



Problem: show that

$$V_x = V_0 R_1/(R_1 + R_2)$$

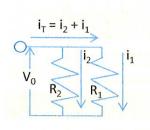
YOUR SOLUTION HERE:

Total
$$I = \frac{V_0}{R_1 \cdot R_2}$$
 by Ohm's.

I thu R_1 is = I total

 $V_x = I_1 \cdot R_1 : \frac{V_0}{R_1 \cdot R_2} \cdot R_1$ a

Current Divider



Problem: show that

 $I_1 = i_T R_2/(R_1 + R_2)$

YOUR SOLUTION HERE:

YOUR SOLUTION HERE:

Voltage across R, \$, R, 2 :
$$V_0$$
.

 $i_1 = V_0$
 $i_2 = V_0$
 $i_3 = V_0$
 $i_4 = V_0$
 $i_5 = V_0$
 $i_7 = V_0$
 $i_8 = V$

Week 1 Prelab End