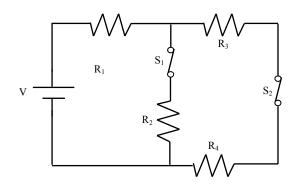**Make the following circuit using 4 resistors and a 9 volt DC power supply.**

Theoretical Values:

Coded Resistances:	Calculated Currents:	Calculated Voltage Drops:
$R_1 =$ _____	$I_1 =$ _____	$V_1 =$ _____
$R_2 =$ _____	$I_2 =$ _____	$V_2 =$ _____
$R_3 =$ _____	$I_3 =$ _____	$V_3 =$ _____
$R_4 =$ _____	$I_4 =$ _____	$V_4 =$ _____

What would be the voltage drop for R_1 when only S_1 is open?

What would be the voltage drop for R_1 when only S_2 is open?

Measured Values:

V = _____

Resistances:	Currents:	Voltage Drops:
$R_1 =$ _____	$I_1 =$ _____	$V_1 =$ _____
$R_2 =$ _____	$I_2 =$ _____	$V_2 =$ _____
$R_3 =$ _____	$I_3 =$ _____	$V_3 =$ _____
$R_4 =$ _____	$I_4 =$ _____	$V_4 =$ _____

What is the voltage drop across R_1 when only S_1 is open?

What is the voltage drop across R_1 when only S_2 is open?