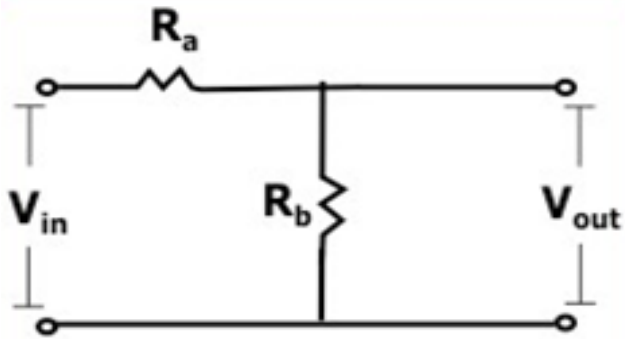


VOLTAGE DIVIDER LAB



Name: Sklyer Grable-Gibson

Date: 4/21/2014

V_{in} = Input Voltage
V_{out} = Output Voltage

$$V_{out} = \frac{R_b}{R_a + R_b} \times V_{in}$$

	Ra	Rb	Meas Vout	Calc Vout
1	217.48	98.15	1.55	1.55
2	98.15	217.48	3.44	3.45
3	1000.40	323.70	1.22	1.22
4	323.70	1000.40	3.78	3.78
5	0.47	0.46	2.49	2.49
6	0.46	0.47	2.51	2.51
7	98.15	323.75	3.83	3.84
8	323.70	98.15	1.16	1.16

V_{in} = volts

R_a = ohms

R_b = ohms

R_b / (R_a + R_b) =

V_{out} = volts



V=IR
I=V/R