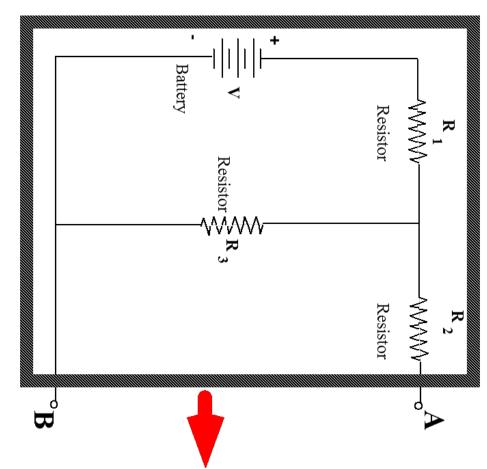
Homework 2: Due in Lab Week of Jan. 20-24.

Black Box



Feb 1-5

$$V = 12 Vdc$$

$$R_1 = 120 \Omega$$

$$R_2 = 200 \Omega$$

Calculate R_3 so that

$$V_{AB} = 4 \ Vdc$$

How Much Current will be Drawn Through AB (R_2) when circuit is closed across AB with no load