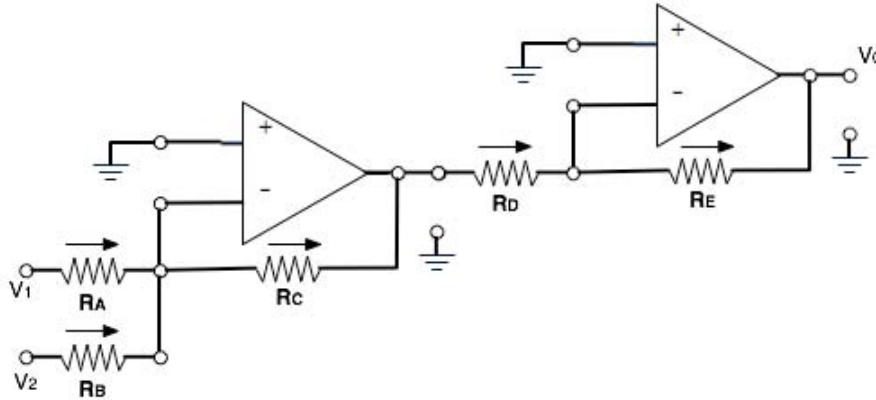


# Problem Wk.10.3.9: Endless Summer (Optional)

Your answers below should be numbers.

1. In the following circuit:



Find values for  $R_A$ ,  $R_B$ ,  $R_C$ ,  $R_D$ , and  $R_E$ , so that  $V_0 = (2 V_1 + 3V_2)$ ?

$R_A =$   KOhms

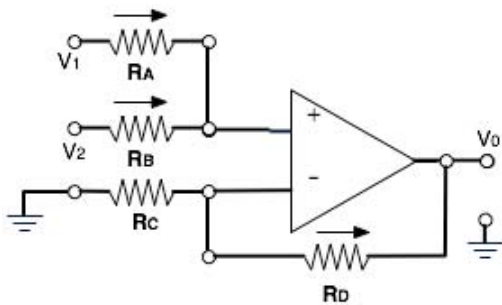
$R_B =$   KOhms

$R_C = 1$  KOhms

$R_D =$   KOhms (Hint... use 1K)

$R_E = 1$  KOhms

2. In the following circuit:



Find values for  $R_A$ ,  $R_B$ , and  $R_D$ , so that  $V_0 = (2 V_1 + 3V_2)$ ?

$R_A =$   KOhms

$R_B =$   KOhms (Hint... use 2K)

$R_C = 1$  KOhms

$R_D =$   KOhms

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