

a) What is the value of  $V_c$  at  $t = 0^+$ ? **Write It in the BOX BELOW.** (5 points)

$$V_c(0^-) = \frac{R_2}{R_1 + R_2} V_s = V_c(0^+)$$

Since  $V_c$  cannot change instantaneously.

b) Using whatever method you like, provide a symbolic expression for the voltage  $V_C(t)$  for  $t > 0$  in the **BOX BELOW**. (15 points)

Open, no  
current  
can flow

