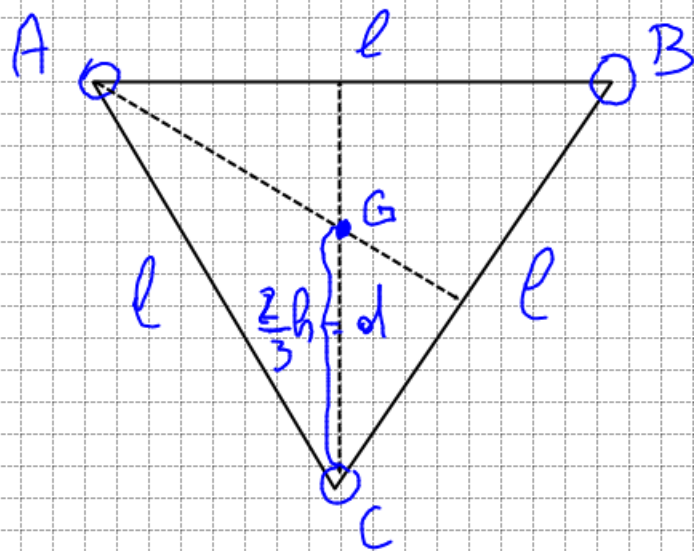


CORREZIONE COMPITO

1)



$$\overline{AB} = \overline{BC} = \overline{AC} = 3,0 \text{ cm} = 0,03 \text{ m}$$

$$q_A = 3,1 \times 10^{-10} \text{ C}$$

$$q_B = 2,7 \times 10^{-10} \text{ C}$$

$$V_C = V_A + V_B = k_0 \frac{(q_A + q_B)}{l} = 1,7 \times 10^2 \text{ V}$$

$$W_{C \rightarrow G} = -q_C \Delta V = -q_C (V_C - V_G)$$

$$V_G = V_A' + V_B' = \frac{k_0 (q_A + q_B)}{d} = 306,7 \text{ V}$$

$$\rightarrow -4,1 \times 10^{-8} \text{ J}$$