

Exemple 2

$$q_a = -1.80\mu C$$

$$q_b = 3.50\mu C$$

$$q_c = -1.40\mu C$$

$$a = 5.20 \text{ cm}$$

$$\vec{F}_A = \vec{F}_{B,A} + \vec{F}_{C,A}$$

$$q_b q_c = 2a \text{ et } q_c q_a = a, \text{ ainsi } q_b q_a = \sqrt{(2a)^2 + a^2} = a\sqrt{5}$$

$$F_{B,A} = \frac{q_a q_b \cdot 9 \cdot 10^9}{r^2}, \text{ avec } \frac{1}{4\pi\epsilon} = 9 \cdot 10^9 \quad F_{C,A} =$$