

Quiz 3d

Charges are placed in a plane as follows: $q_1 = +4\mu C$ at $r_1 = (0, 3cm)$, $q_2 = 4\mu C$ at $r_2 = (0, -3cm)$, and $q_3 = -6\mu C$ at $r_3 = (-8cm, 0)$. Determine the magnitude and direction of the total force on q_3 .