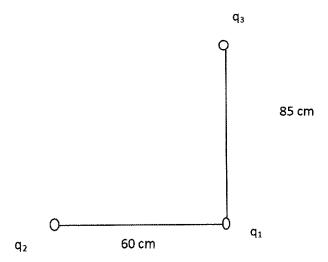
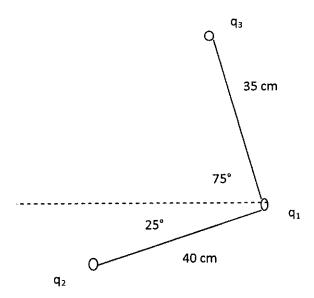
## Electric Force - Practice

1. Determine the electric force (magnitude and direction) on a point charge  $q_1$  (-40  $\mu$ C) due to  $q_2$ (+55 $\mu$ C) and  $q_3$  (-85  $\mu$ C).



2. Determine the electric force (magnitude and direction) on $q_2$ due to $q_1$ and $q_3$ .	

3. . Determine the electric force (magnitude and direction) on a point charge  $q_1$  (-80  $\mu$ C) due to  $q_2$ (+15 $\mu$ C) and  $q_3$  (-85  $\mu$ C).



4. Find the charge on $q_1$ provided that $q_1$ is 25cm away from $q_2(q_1)$ 465N.	$_2$ =40 $\mu$ C)and experiences repulsive electric force of
	on of congration between two point charges if the
5. Consider point charges of $35\mu C$ and -89 $\mu C$ . What is the distan attractive force experienced by one of the charges is 57N?	ce of separation between two point onarges it and
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