



EXIT TICKET



1. Two-point charges are fixed on the x -axis: $q_1 = 6.0 \mu\text{C}$ is located at the origin, O , with $x_1 = 0.0 \text{ cm}$, and $q_2 = -3.0 \mu\text{C}$ is located at point A , with $x_2 = 8.0 \text{ cm}$. Where should a third charge, q_3 , be placed on the x -axis so that the total electrostatic force acting on it is zero?

- a) 19 cm
- b) 27 cm
- c) 0.0 cm
- d) 8.0 cm
- e) -19 cm

2. The force between a charge of $25 \mu\text{C}$ and a charge of $-10 \mu\text{C}$ is 8.0 N . What is the separation between the two charges?

- a) 0.28 m
- b) 0.53 m
- c) 0.45 m
- d) 0.15 m

3. Two-point charges exert a 5.00 N force on each other. What will the force become if the distance between them is increased by a factor of three?

- a) 0.556 N
- b) 0.897 N
- c) 0.4567 N
- d) 0.3456 N

Thank You...  **LIVEWORKSHEETS**