

### Ch 18 HW Quiz #1A

Three charges are arranged in a straight line as shown. The charge  $q_x$  feels a force of 3.03 Newtons directed to the left (-x direction). What is the charge  $q_x$ ? Be sure to clearly indicate whether  $q_x$  is positive or negative.

$$q_1 = +1.75 \mu\text{C}$$

$$q_x = ???$$

$$q_3 = -3.31 \mu\text{C}$$

