

### D1-QRT09: TWO CHARGES—FORCE ON EACH

In each case shown below, two charges are fixed in place and are exerting forces on each other.

**For each case, draw a vector of appropriate length and direction representing the electric force acting on each charge due to the other charge.** Draw the vector representing the force *with the length proportional to the magnitude* on the left charge *above* that charge; and draw the vector representing the force *with the length proportional to the magnitude* on the right charge *below* that charge (see the example). For each diagram, use the same scale as the example.

Example

(a)

(b)

(c)

(d)

(e)

(f)