Ch 19 HW Quiz #3B

Assume the three charges below all start infinitely far apart at rest. How much work must an applied force do in order to arrange the charges as shown below, also at rest? Assume only the electric force and the applied force do work.

I recommend you take the charges one at a time. For example, moving the first charge from infinity to its final position is free since no other charges are present, but that is not the case for the other two charges.

