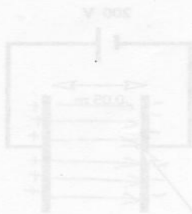
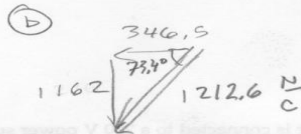
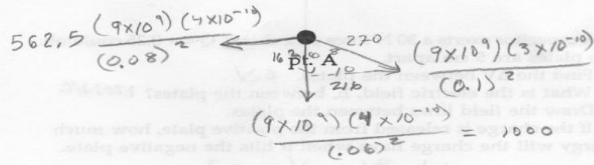
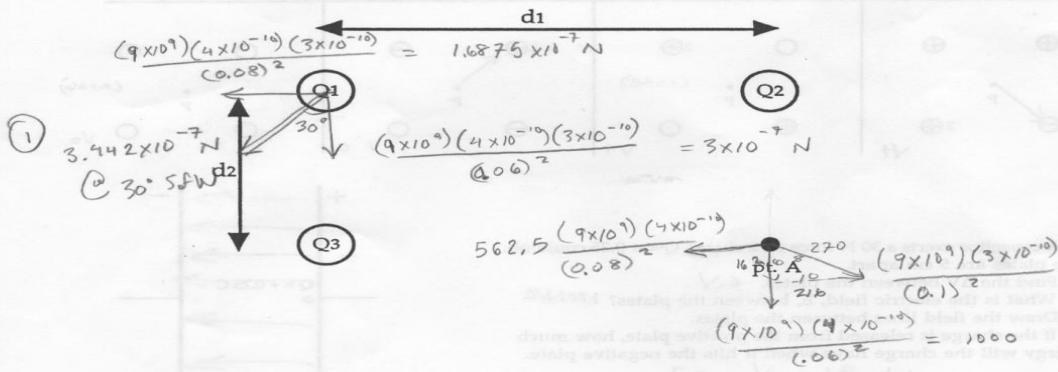
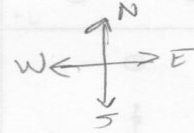


## ELECTRO-STATICS

- 1] Find the  $F_{net}$  on charge  $Q_1$
- 2] Find the  $E_{net}$  at pt.A
- 3] Find the  $F_{net}$  on a  $+2 \times 10^{-10}$  C charge placed at pt.A.

Given:  $Q_1 = +3 \times 10^{-10}$  C       $d_1 = 8$  cm  
 $Q_2 = +4 \times 10^{-10}$  C       $d_2 = 6$  cm  
 $Q_3 = -4 \times 10^{-10}$  C



Bonus: find values for charges and distances to create "obvious" 3-4-5 triangles.