35. We use Eq. 23-13.

(a) To the left of the plates:

$$\vec{E} = (\sigma/2\varepsilon_0)(-\hat{i}) \text{ (from the right plate) } + (\sigma/2\varepsilon_0)\hat{i} \text{ (from the left one) } = 0.$$

(b) To the right of the plates:

$$\vec{E} = (\sigma/2\varepsilon_0)\hat{i} \text{ (from the right plate)} + (\sigma/2\varepsilon_0)(-\hat{i}) \text{ (from the left one) } = 0.$$

(c) Between the plates:

$$\vec{E} = \left(\frac{\sigma}{2\varepsilon_0}\right)(-\hat{i}) + \left(\frac{\sigma}{2\varepsilon_0}\right)(-\hat{i}) = \left(\frac{\sigma}{\varepsilon_0}\right)(-\hat{i}) = -\left(\frac{7.00\times10^{-22} \text{ C/m}^2}{8.85\times10^{-12} \frac{\text{N}\cdot\text{m}^2}{\text{C}^2}}\right)\hat{i} = \left(-7.91\times10^{-11} \text{ N/C}\right)\hat{i}.$$