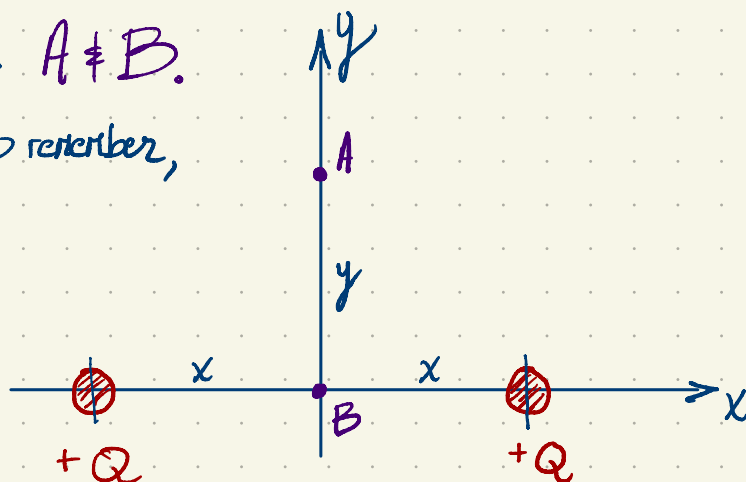
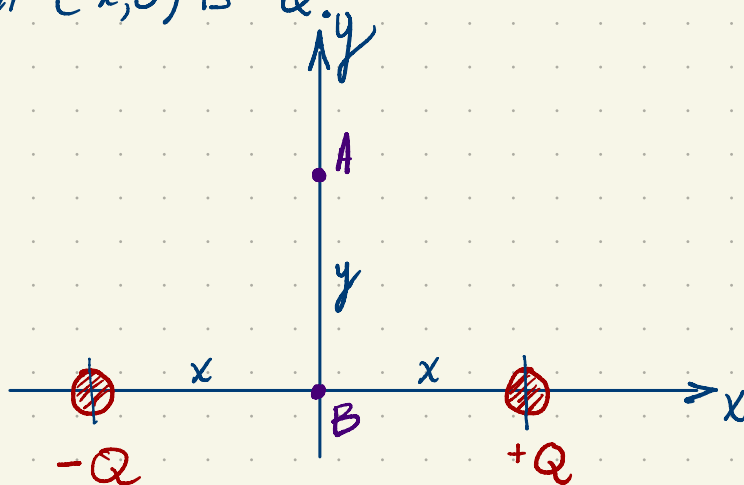


- 1) Two charges, both $+Q$, are shown below. Compute the electric field at points $A \neq B$.
(your answer will be in terms of $k, Q, x, \neq y$; and remember, the electric field is a vector!)



- 2) Same question, but now the charge at $(-x, 0)$ is $-Q$.



3) Two charges are situated as shown below. Where should one place a charge $q = +4 \mu\text{C}$ so that the net force on q is zero?

