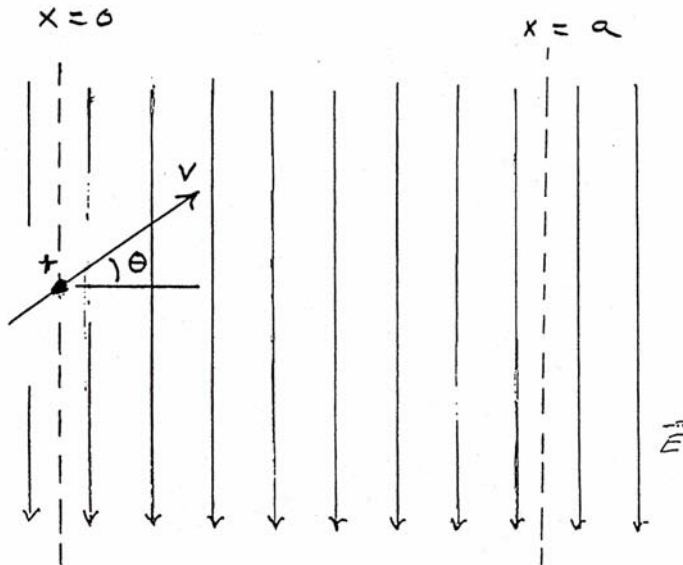


## Clicker Questions – Monday April 7, 2008

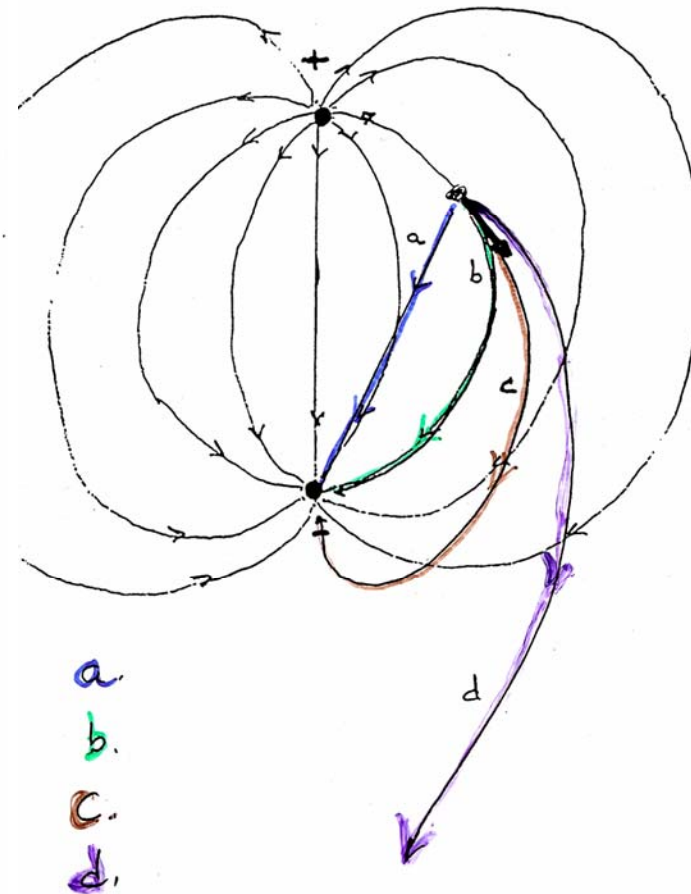
1. How does  $E$  affect the time the charge takes to get from  $x = 0$  to  $x = a$ ?



- a. No effect.
- b. A larger  $E$  means longer time.
- c. A larger  $E$  means shorter time.
- d. The effect of  $E$  on the time depends on the angle.

**Answer: 1. a.** No effect, since the horizontal velocity is not affected by  $E$ .

2. Which path is taken by a positive charge released from rest in the field of a pair of charges at the point shown?



**Answer: 2. c.** The positive charge does not in general follow field lines.