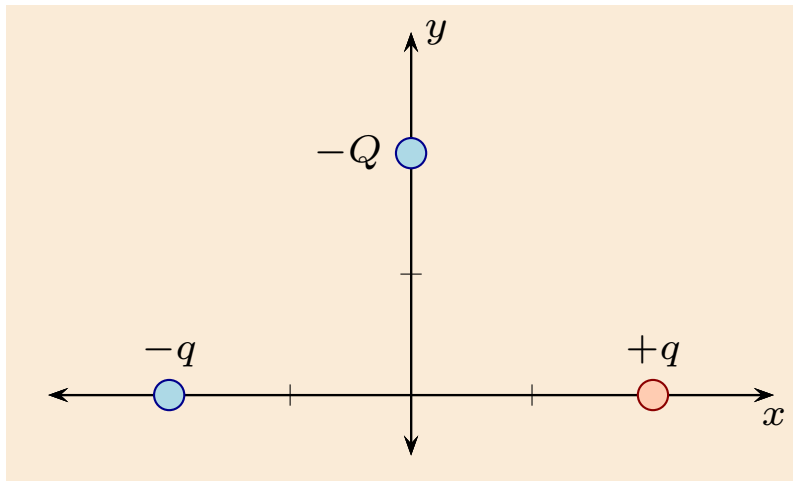


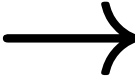




## Question 1

Two particles with charges that are identical in magnitude but opposite in sign are placed along the  $x$  axis as illustrated.



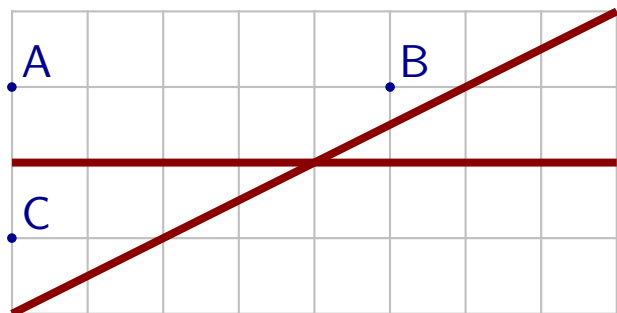
A negatively charged particle is placed along the  $y$  axis.

Which of the following best represents the direction of the **net** force exerted on the charge on the  $y$  axis?

1. 
2. 
3. 
4. 
5. 

## Question 2

Two infinite sheets are uniformly charged with the same positive charge density. The sheets are angled relative to each other as illustrated.



Which of the following ranks the magnitudes of the fields at points A, B and C?

1.  $E_A = E_B = E_C$
2.  $E_A = E_B > E_C$
3.  $E_A = E_B < E_C$
4.  $E_B > E_C > E_A$
5.  $E_B = E_C < E_A$
6.  $E_B > E_A > E_C$