

What is the sign of  $W_{AC}$  = work done by E field to move negative charge from A to C?

A) 
$$W_{AC} < 0$$
 B)  $W_{AC} = 0$  C)  $W_{AC} > 0$ 

A and C are on the same equipotential

 $W_{AC} = 0$ 

Equipotentials are perpendicular to the *E* field: No work is done along an equipotential