

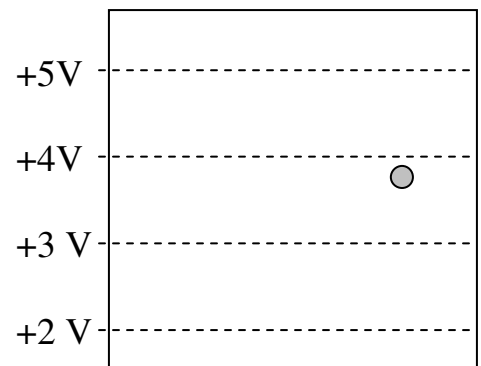
Quiz #7

Name: _____

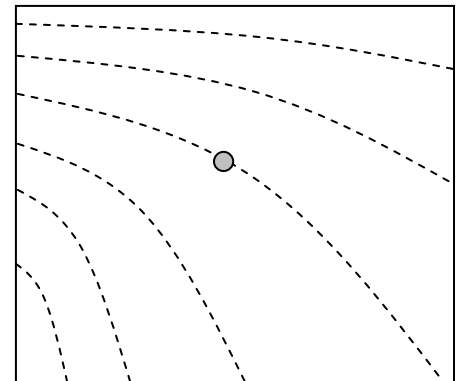
1. What are the SI units of electric field? _____
2. What are the units of electric potential? _____
3. In the following sketch, each of the two charges has the same magnitude.
What is the direction of electric field at point A? **[left] [right] up] [down]**
4. What is the direction of electric field at point B? **[left] [right] up] [down]**
5. What is the direction of electric field at point C? **[left] [right] up] [down]**
6. What is the direction of electric field at point D? **[left] [right] up] [down]**



7. A plot of some electric potential lines is shown.
A small positive charge is then placed at the point shown. What direction will it move?
[left] [right] [up] [down]



8. Another plot of some electric potential lines is shown, having a uniform voltage spacing between adjacent lines. Sketch an electric field line that passes through the point shown.



9. In this last figure, in which corner will a charge feel the smallest magnitude of electrical force?
[top left] [top right]
[bottom left] [bottom right]