READING ASSIGNMENT FOR FEBRUARY 6 Section 21.4

21.4 - Calculating the Electric Potential

- Today, please concentrate on the rest of this section.
- Potential of a point charge comes from calculus. There's no way for me to derive this equation. So the fact that the *potential* depends on 1/r may be super surprising and a little confusing.
- This equation V = kQ/r comes from putting the point of zero potential at "infinity". We'll practice in class how to put the zero someplace else.
- Outside a charged sphere, the equation for potential is the same as that of a point charge. In other words, outside a sphere it behaves like a point charge.
- For multiple point charges, you simply add the individual potentials together.

THE QUIZ IS AT: www.masteringphysics.com/site/login.html