

















Sources of $\vec{E}$	Ch. 27
Electric fields are create	ed by charges.
Two major tools for cal	culating $\vec{E}$ are
· The field of a point of	:harge:
	$\vec{E} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2} \hat{r}$
· The principle of supe	erposition
Multiple point charges	i
Use superposition: $\vec{E}$ =	$\vec{E}_1 + \vec{E}_2 + \vec{E}_3 + \cdots$









## Review for test tomorrow: Ch. 30













•Test 2 will cover material from chapters 26, 27, 29, 30, 31 and 32

- Questions will be similar to
  - MasteringPhysics
  - $\boldsymbol{\cdot}$  Practicals Activities and discussion questions
  - End-of-Chapter suggested problems
  - In-class clicker questions
  - Examples from your reading
- Don't forget your calculator and one 8.5x11" aid sheet, which may be double-sided.
  - See you Tuesday Evening

at 6:00 in SF 3201.