AP1 - Chapter 18/20 Review
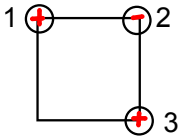
$$F_e = kqq/r^2$$

= Coulomb's Law = understand how variables can change Fe

DON'T plug in signs

DO draw FBD to determine direction

1 ⊕ ⊖ 2

⊕ 3

What is F on q_2?

assume all same q

Voltage	Current	Resistance	Power
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Parallel	Series
mulitple paths	ONE path
$1/R_t = \Sigma 1/R_i$ (R↓)	$R_t = \Sigma R_i$ (R↑)
$I_t = \Sigma I_i$	$I_t = I_i$
$V_t = V_i$	$V_t = \Sigma V_i$
$C_t = \Sigma C_i$ (C↑)	$1/C_t = \Sigma 1/C_i$ (C↓)

Equivalent Resistance

***do what you know FOR SURE first

*** pay attentions to

> I(Total) vs I (through specific resistor or path

> V(Total) vs V (Across ONE branch)

> R (Total) vs R (of one part, one resistor)