

# Example

## Three Charges – Calculate forces

- Calculate force on  $+2\mu\text{C}$  charge due to other two charges
  - Draw forces
  - Calculate force from  $+7\mu\text{C}$  charge
  - Calculate force from  $-7\mu\text{C}$  charge
  - Add (VECTORS!)
- Calculate magnitudes

$$F = k \frac{q_1 q_2}{r^2}$$

