## Exam I Tuesday, February 19 5:00 – 6:00 pm

Topics from lectures 1-7

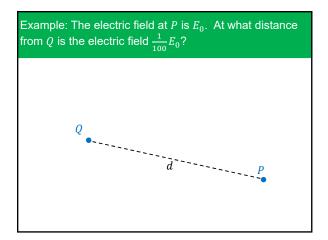
See Canvas or course web site for exam locations by recitation section.

## Exam I Review

## Lecture consists of example problems.

- Problems are not an exhaustive set of the type that could be on the exam.
- Any material from lectures 1-7 and the associated recitations and readings may be on the exam.
- Work the problems first and then view the solutions.

Example: The force on  $q_1$  due to the other charges is  $F_0$ . If all of the charges are tripled what will be the force on  $q_1$ ?  $q_2$   $q_3$ 



Example: (a) At which point (A or B) is the electric potential greater? (b) At which point is the magnitude of the electric field greater? (c) At which point would an electron have greater potential energy? (d) What direction would a proton accelerate in the field?

