

Do you have an Iclicker to use for this term?

A) Yes, I do!

- Press & HOLD power (blue light *flashes*)
- Key in AB (OUR code for this room)
- Brief green Status flash confirms! (Blue light steady)

(You can do this only while I'm collecting votes)

Have you looked at the 3310 course web page yet?

A) Yes
B) Not yet

Do office hours (homework help sessions) Mon and Tues, 4-5+ PM work for you?
(HW is due Wed at the start of class)

A) Yes, one or both is ok
B) Yes, but *only* if the "+" extends past 5
C) No, I really want a different day/time
D) No, but I'm unlikely to attend so it's ok with me as it is...

Thinking of what you want to get out of your college education *and* this course, which of the following is *most* important to you?

A) Acquiring information (facts, principles, concepts)
 B) Learning how to use information and knowledge in new situations
 C) Developing lifelong learning skills

All three of these goals are clearly important. However, which of these three goals do you think you can make on our own (say, before class)?

A) Acquiring information (facts, principles, concepts)
 B) Learning how to use information and knowledge in new situations
 C) Developing lifelong learning skills

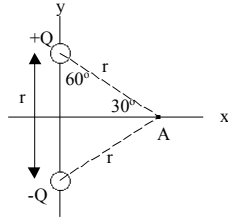
Coulomb's law: \vec{F} (by 1 on 2) = $\frac{kq_1q_2}{r_{12}^2} \hat{r}_{12}$

In the fig, q1 and q2 are 2 m apart.
 Which arrow can represent \hat{r}_{12} ?

D) More than one (or NONE) of the above
 E) You can't decide until you know if q1 and q2 are the same or opposite signed charges

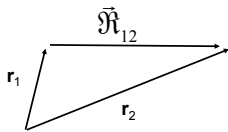
Two charges +Q and -Q are fixed a distance r apart. The direction of the force on a test charge -q at A is...

- A.Up
- B.Down
- C.Left
- D.Right
- E.Some other direction, or F =0



2.1b

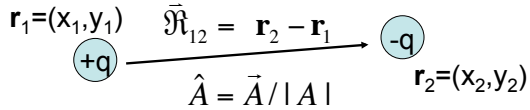
How is the vector \vec{R}_{12} related to \vec{r}_1 and \vec{r}_2 ?



- A) $\vec{R}_{12} = \vec{r}_1 + \vec{r}_2$
- B) $\vec{R}_{12} = \vec{r}_1 - \vec{r}_2$
- C) $\vec{R}_{12} = \vec{r}_2 - \vec{r}_1$
- D) None of these

2.2

What is \hat{R}_{12} ("from 1 to 2") here?



- A) $(x - x_1, y - y_1)$ B) $(x_1 - x, y_1 - y)$
- C) $\frac{(x - x_1, y - y_1)}{\sqrt{(x - x_1)^2 + (y - y_1)^2}}$ C) $\frac{(x_1 - x, y_1 - y)}{\sqrt{(x - x_1)^2 + (y - y_1)^2}}$
- E) None of these
