



## Review Test Submission: Electric Field Skills Validation

User	Peter Chung
Course	PH202:WI12:General Physics II
Test	Electric Field Skills Validation
Started	2/4/12 9:07 PM
Submitted	2/4/12 9:09 PM
Status	Completed
Score	75 out of 75 points
Time Elapsed	2 minutes out of 20 minutes.
Instructions	<p>Be sure that you have taken adequate time to consider the setting for this question (which you should have received in class). You will have a limited amount of time (20 min) to complete this evaluation and only two attempts. Organize yourself and your resources.</p> <p>You will be specifically asked to affirm that you are taking this evaluation on your own and have accepted no input from others about the specific content of this test. I trust you all to be honorable and committed to your personal growth and learning.</p> <p>Remember that your final grade will be no more than twice your score on the first attempt so make that first attempt count!</p> <p>If you choose "none of the above" for any answer send me an email explaining your answer.</p>

### Question 1

5 out of 5 points

By taking this evaluation you affirm that you are working on your own with no immediate assistance from others and that you have no advance knowledge of the specific content of this evaluation beyond that communicated to you by your instructor:)



Selected Answer:  True

Response Feedback: Go get 'em!

### Question 2

10 out of 10 points

Given the information in the setting which direction does the E Field point at the origin?



Selected Answer:  E. towards the left

### Question 3

10 out of 10 points

At a point on the horizontal axis 10 cm to the right of the origin what is the direction of the E field? ▲



Selected Answer:  B. towards the right

#### Question 4

10 out of 10 points

What is the direction and magnitude of the E field at the origin due to the single negative charge (ignore all others) on the horizontal axis?



Selected Answer:  E.  $1.1 \cdot 10^5$  N/C to left

#### Question 5

10 out of 10 points

What is the magnitude and direction of the E field at a point 10 cm to the left of the origin due to the + and - charges on the horizontal axis only (2 charges only)?



Selected Answer:  C.  $9.8 \cdot 10^4$  N/C to right

#### Question 6

10 out of 10 points

Consider the two charges (one + and one -) that are 5 cm above the horizontal axis. Both contribute to the E field at the origin. Which components, if any, of the E field due to each charge cancel each other?



Selected Answer:  B. vertical

#### Question 7

10 out of 10 points

What is the magnitude of the E field at the origin due to a single charge (either the + or the -) located 5 cm above the horizontal axis?



Selected Answer:   $5.4 \cdot 10^4$  N/C

#### Question 8

10 out of 10 points

What is the magnitude of the collective contribution to the E field at the origin from both the + and - charges located 5 cm above the horizontal axis?



Selected Answer:   $7.1 \cdot 10^4$  N/C

Wednesday, February 22, 2012 1:23:14 AM PST

OK