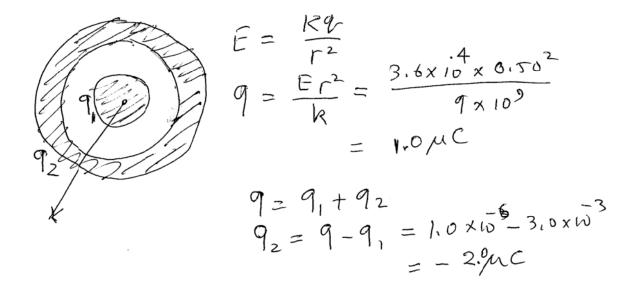
Quiz-06-Nov-2013	Name: solution	Number:		
	Id#:	Section: 14		

A solid insulating sphere of radius 5.0 cm carries a charge + 3.0 μ C. Concentric with this sphere is a conducting spherical shell of inner radius 20 cm and outer radius 25 cm. The electric field at a distance of 50 cm from the center of the sphere is 3.6 \times 10⁴ N/C and points radially outward. What is the net charge on the spherical shell?



04	11	18	25	2	9	23	30	6	13	20	27	4	11	18
Sep	Sep	Sep	Sep	Oct	Oct	Oct	Oct	Nov	Nov	Nov	Nov	Dec	Dec	Dec

Solutions of the quizzes can be found on the webpage: http://faculty.kfupm.edu.sa/phys/aljalal/phys102.htm