Quiz-20-Nov-2013	Name: solution	Number:		
	Id#:	Section: 14		

What is the charge on a conducting sphere of radius  $R=0.20\,\text{m}$  if the potential at a distance  $r=0.10\,\text{m}$  from the center of the sphere is 1500 V. Take V=0 at infinity.

$$V = \frac{kQ}{R}$$

$$Q = \frac{VR}{R} = \frac{(1500)(0.2)}{9\times109}$$

$$= 3.3\times10^{8} \text{ C}$$

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