Given $\mathbf{E}=\mathbf{c} \mathbf{r}$,
(c = constant, $\mathbf{r}=$ spherical radius vector) We just found $\rho(r)=3 c$.
What is the total charge $Q$ enclosed by an imaginary sphere centered on the origin, of radius R ?

Hint: Can you find it two DIFFERENT ways?
A) $(4 / 3) \pi c$
B) $4 \pi \mathrm{c}$
C) $(4 / 3) \pi c R^{\wedge} 3$
D) $4 \pi c R^{\wedge} 3$
E) None of these is correct

