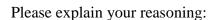
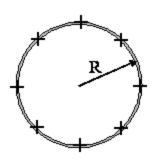
Warmup 3 - Potential

You have a thin spherical shell of uniform positive charge +Q centered at the origin with no other charge anywhere (i.e. all the charge is concentrated in a hollow shell at r=R).

If we decide to define $V(\infty)=0$, what is the sign of V(R)? Please choose one:

- a) Positive
- b) Negative
- c) Zero
- d) It depends





Could we instead choose to define V(R)=0?

Please choose one:

- a) Yes
- b) No
- c) It depends

Please explain your reasoning:

What is the sign of (V(R) - V(0))?

Please choose one:

- a) Positive
- b) Negative
- c) Zero
- d) It depends

Please explain your reasoning: