







Question 5

Not yet answered

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A ring of radius 'R' has a total charge +Q uniformly distributed on it. What are the electrostatic field ( $\vec{E}$ ) and potential (V) at the center of the ring?

Select one:

$$\bigcirc$$
 a.  $|\vec{E}| = 0, V = \frac{Q}{4\pi\epsilon_0 R}$ 

$$\bigcirc$$
 b.  $|\vec{E}| = 0, V = 0$ 

$$\bigcirc$$
 c.  $|\vec{E}| = \frac{Q}{4\pi\epsilon_0 R^2}, V = 0$ 

$$\bigcirc \ \mathrm{d.} \ \left| \vec{E} \right| = \frac{\mathit{Q}}{4\pi\epsilon_0 R^2}, V = \frac{\mathit{Q}}{4\pi\epsilon_0 R}$$

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