

ASSIGNMENT 2 GRADING KEY

2- 2 POINTS : $\partial\rho/\partial t = -\nabla\cdot\vec{J} = -e\nabla f\cdot(d\vec{R}/dt)$

3a- 0 POINTS

3b- 2 POINTS : Easiest: Use $Q_{\text{bound}} = 0$.

4a- 0 POINTS

4b- 2 POINTS : $\vec{E} = (4\pi/3) P_0 \hat{e}_z$

5a- 0 POINTS

5b- 2 POINTS : $\vec{N} = (2\pi/3) a^2 M_0 B_0 \hat{e}_y$

6a- 2 POINTS

6b- 2 POINTS