Homework Quiz 2: Version A

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1. A $-5.0~\mu C$ charge is moving at a constant speed of 1×10^5 m/s in the (+x)-direction. At the instant the point charge is at the origin, what is the magnetic field it produces at the point (x = 0.5 m, y = 0.5 m)? [Hint: the answer is a vector.]

$$\frac{1}{3} = \frac{1}{4\pi} \cdot \frac{1}{3} \cdot \frac{$$