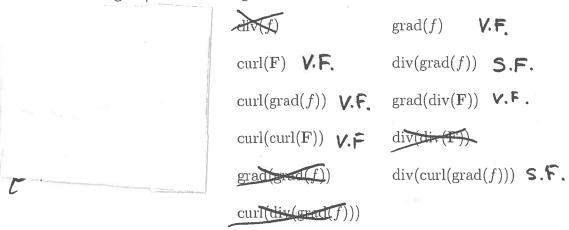
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1. Let f(x, y, z) be a scalar field and let F be a vector field on \mathbb{R}^3 . For each of the following, indicate whether it is a scalar-valued function, a vector field, or if the description is meaningless/not defined. grad denotes ∇



2. Set up an integral that computes the volume of the region E using cylindrical coordinates.

