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## **CHAPTER 2, PART A**

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-component of the vector (divT) is:  $(\text{div}T)_\theta = \theta_{,r} + \partial_r \theta_{,r}$

-----Ans.  $(\text{div}T) \cdot a = \text{div}(T \cdot a) - \text{tr}(T \cdot \nabla a) \rightarrow (\text{div}T) \cdot e_\theta = \text{div}(T \cdot e_\theta) - \text{tr}(T \cdot \nabla e_\theta)$  Now, 2.76

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