$\vec{F} = \langle P, Q, R \rangle$

$\operatorname{div}(\vec{F}) = \frac{\partial P}{\partial x} + \frac{\partial Q}{\partial y} + \frac{\partial R}{\partial z}$ or Similar in 2D.

(Used in AC 12.7 #6 on W.W.)

Ex $\vec{F} = \langle wx, w^2y^2 \rangle$ w is a constant.

$\operatorname{div}(\vec{F}) = w + 2w^2y$

Alt notn: $\operatorname{div}(\vec{F}) = \vec{\nabla} \cdot \vec{F}$