



$$\mathbb{R}^n \Rightarrow \mathbb{R}^n \Rightarrow \int \mathbb{R}^n + d\mathbb{R}^n = \int \mathbb{R}^n + \int d\mathbb{R}^n = \int \mathbb{R}^n + \underbrace{\int \partial \mathbb{R}^n}_{=0} = \int \mathbb{R}^n$$