$$\iiint_{\mathcal{G}} \left[u \nabla^2 v + (\nabla u, \nabla v) \right] \mathrm{d}^3 V = \oiint_S u \frac{\partial v}{\partial n} \mathrm{d}^2 A \tag{5.3}$$

$$\iiint_{\mathcal{G}} \left[u \nabla^2 v - v \nabla^2 u \right] \mathrm{d}^3 V = \oiint_S \left(u \frac{\partial v}{\partial n} - v \frac{\partial u}{\partial n} \right) \mathrm{d}^2 A \tag{5.4}$$