We wish to establish $(\vec{G}\cdot\vec{\nabla})\vec{r} = \vec{G}$

$$(\vec{G}\cdot\vec{\nabla})\vec{r} = G_i \partial_i r_j = G_i \delta_{ij} = G_j$$

$$\Rightarrow (\vec{G}\cdot\vec{\nabla})\vec{r} = \vec{G}$$