Define $\lambda : \mathbb{I}_R(A) \to \mathrm{End}_R(R/A)$ by taking $\lambda(r)$ ($r \in \mathbb{I}_R(A)$) to be left multiplication by r. (Since $rA \subseteq A$, $\lambda(r)$ is a well-defined endomorphism of the module $(R/A)_R$.) Now $\lambda(r)$ is the zero endomorphism iff $rR \subseteq A$, that is, $r \in A$. Since λ is a ring homomorphism, it induces a ring embedding $\mathbb{E}_R(A) \to \mathrm{End}_R(R/A)$. We finish by showing that this map is *onto*. Given $\varphi \in \mathrm{End}_R(R/A)$, write $\varphi(\overline{1}) = \overline{r}$, where $r \in R$. Then $\varphi(\overline{x}) = \varphi(\overline{1} \cdot x) = \overline{r} \cdot x = \overline{rx}$ for any $x \in R$. In particular, for $x \in A$, we see that $rx \in A$, so $r \in \mathbb{I}_R(A)$, and we have $\varphi = \lambda(r)$.