Precision **p**, associated standard deviation **s**:

Convert from **a,b** to **mu,sig**

This is useful to interpret the posterior over p.

$$p \sim Gamma(a,b) \xrightarrow{s=\frac{1}{\sqrt{p}}} s \sim IRGamma(a,b) \begin{cases} mu\colon\ Mean\ of\ IRGamma \\ sig\colon\ Standard\ Deviation\ of\ IRGamma \end{cases}$$

Convert from **mu,sig** to **a,b**

This is useful to define the prior over p.

$$\left.\begin{matrix} mu\colon Mean\ of\ IRGamma \\ sig\colon Standard\ Deviation\ of\ IRGamma \end{matrix}\right\} s \sim IRGamma(a,b) \xrightarrow{p=\frac{1}{s^2}} p \sim Gamma(a,b)$$