This is for trying out stuff in LaTeX .

$$\begin{array}{ccc} \mathbb{Z}_n \times \mathbb{Z}_n & \xrightarrow{\text{add}} & \mathbb{Z}_n \\ \scriptstyle(\text{times }[x])\times(\text{ times }[x]) \downarrow & & \downarrow \scriptstyle\text{times }[x] \\ \mathbb{Z}_n \times \mathbb{Z}_n & \xrightarrow[\text{add}]{} & \mathbb{Z}_n \end{array}$$