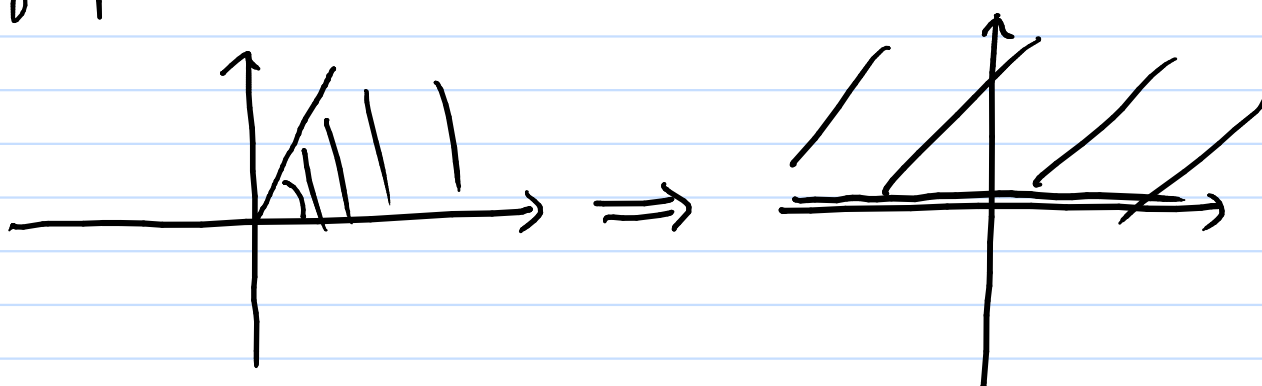
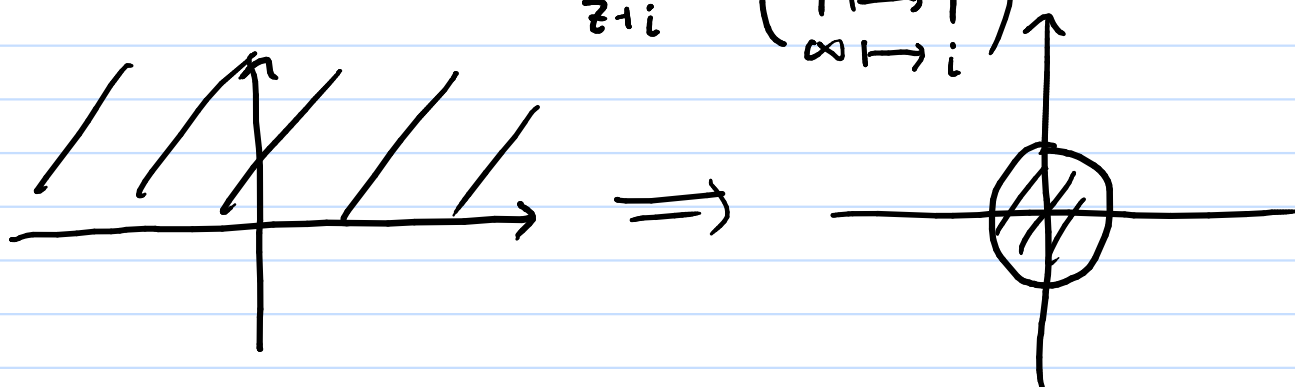


Translation: $z \mapsto z+a$

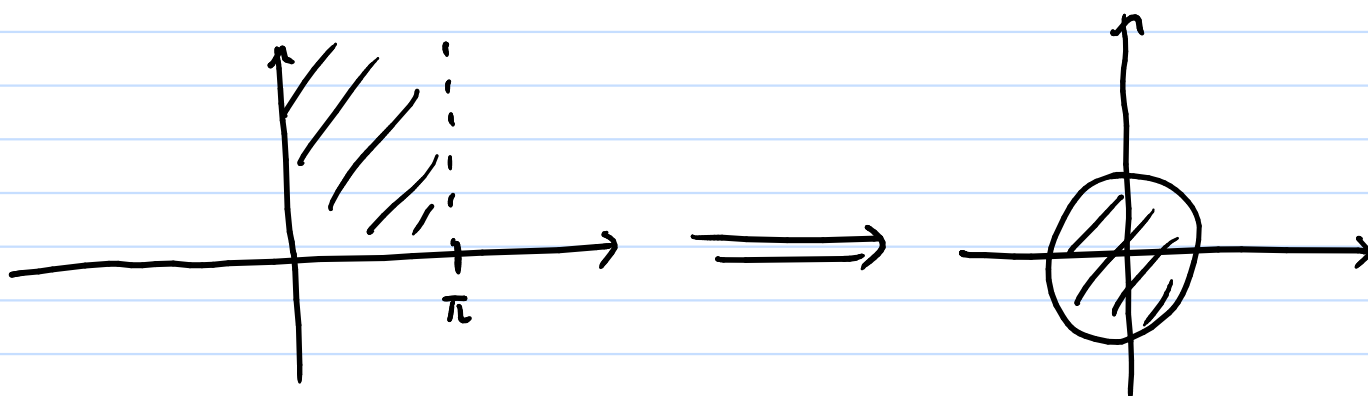
Opening Up Pie: $z \mapsto z^\alpha$



Half-Plane to Circle: $\frac{iz+1}{z+i}$ $\begin{pmatrix} 0 \mapsto -i \\ 1 \mapsto 1 \\ \infty \mapsto i \end{pmatrix}$

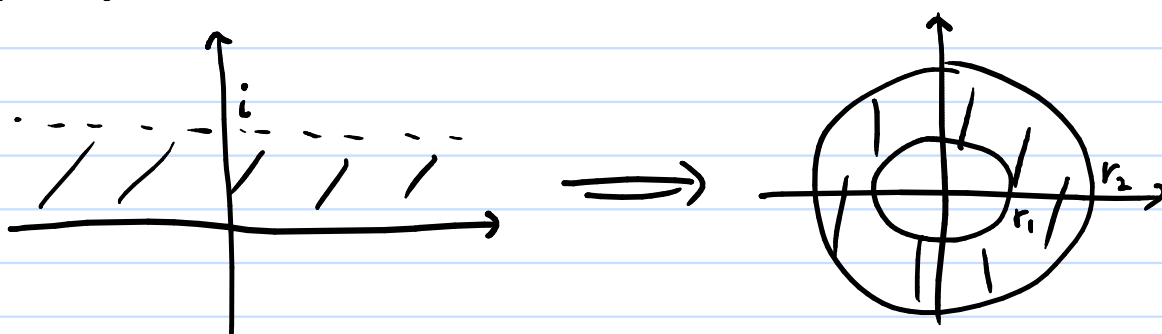


Channel to Circle $z \mapsto e^{iz}$

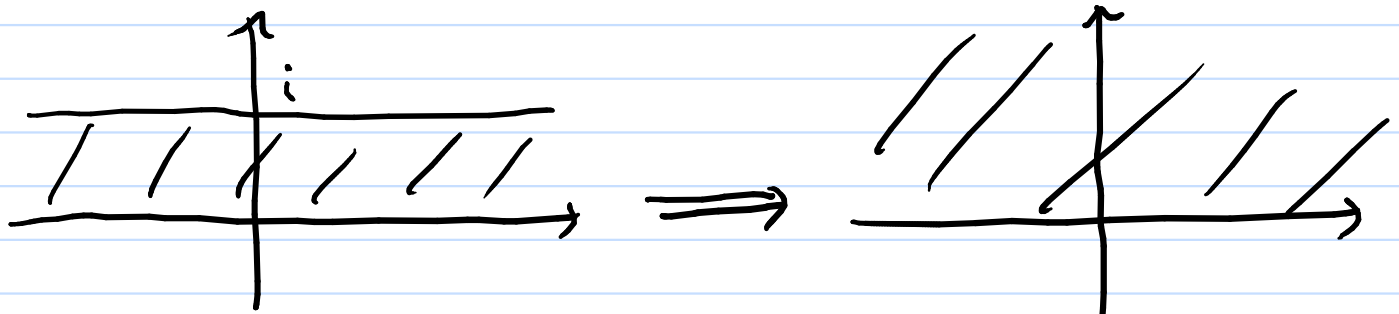


Rotation: $z \mapsto e^{i\theta} z$

Channel to Annulus: $z \mapsto r_1 e^{iz \log \frac{r_1}{r_2}}$

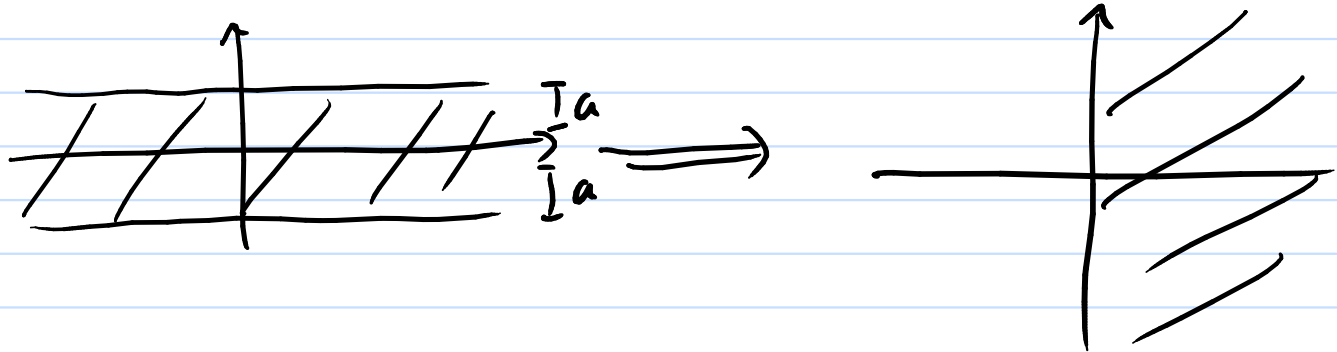


Channel to Half-Plane $e^{\pi z}$

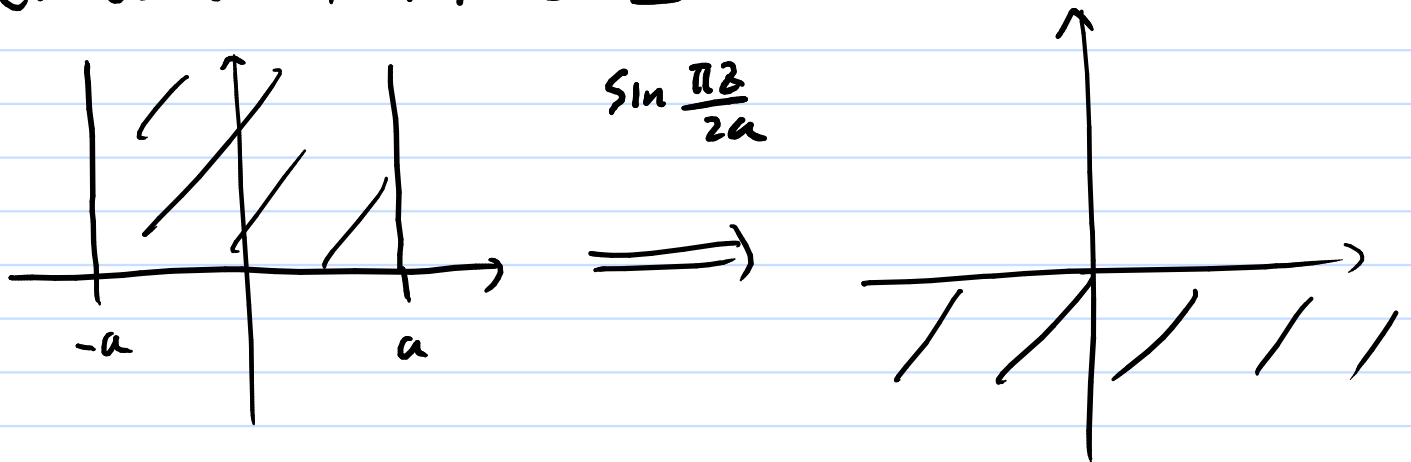


(Advanced: $e^{\pi z/h}$ for channel width h)

Channel to Half-Plane II $e^{\pi z/2a}$



Channel to Half-Plane II



$\sin \frac{\pi z}{2a}$