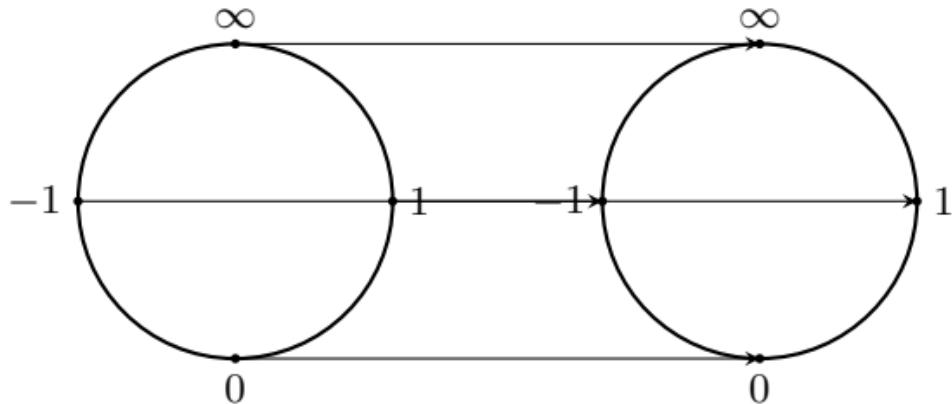
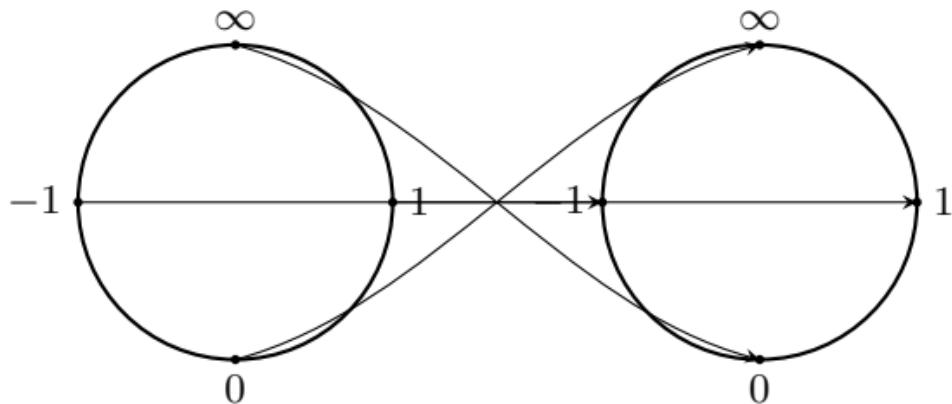


$R(z) = z$ (identity on the Riemann sphere)



$$R(z) = \frac{1}{z} \text{ (inversion: } 0 \leftrightarrow \infty)$$



$$R(z) = \frac{1-z}{1+z} \text{ (M\"obius map: } 0 \leftrightarrow 1, \infty \mapsto -1)$$

