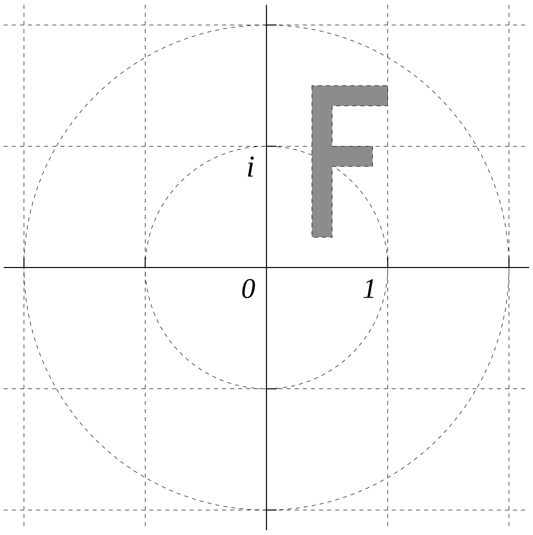
Math 403, section 5 | **Changes in F** | January 29, 2001

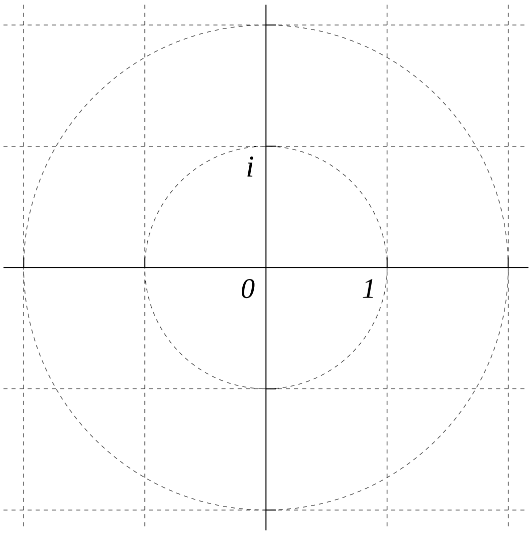
Name ______________________________

I'd like you to draw what happens to a certain subset of the complex numbers, the solid F shown in the first picture, under the transformations listed in the other three pictures.

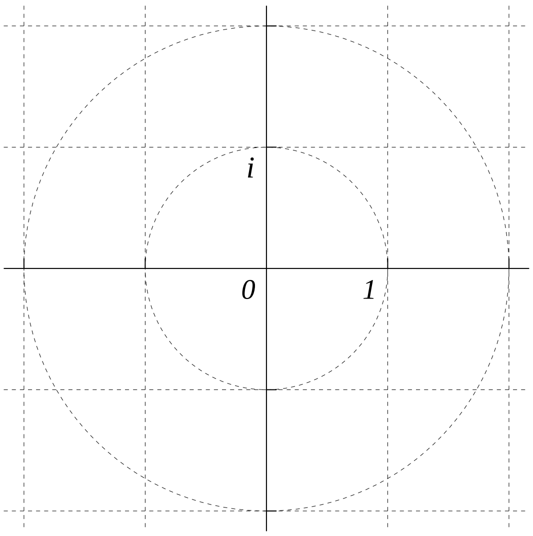
The original F.



What happens to F when $z \mapsto \overline{z}$.



What happens to F when $z \mapsto iz$.



What happens to F when $z \mapsto -z$.