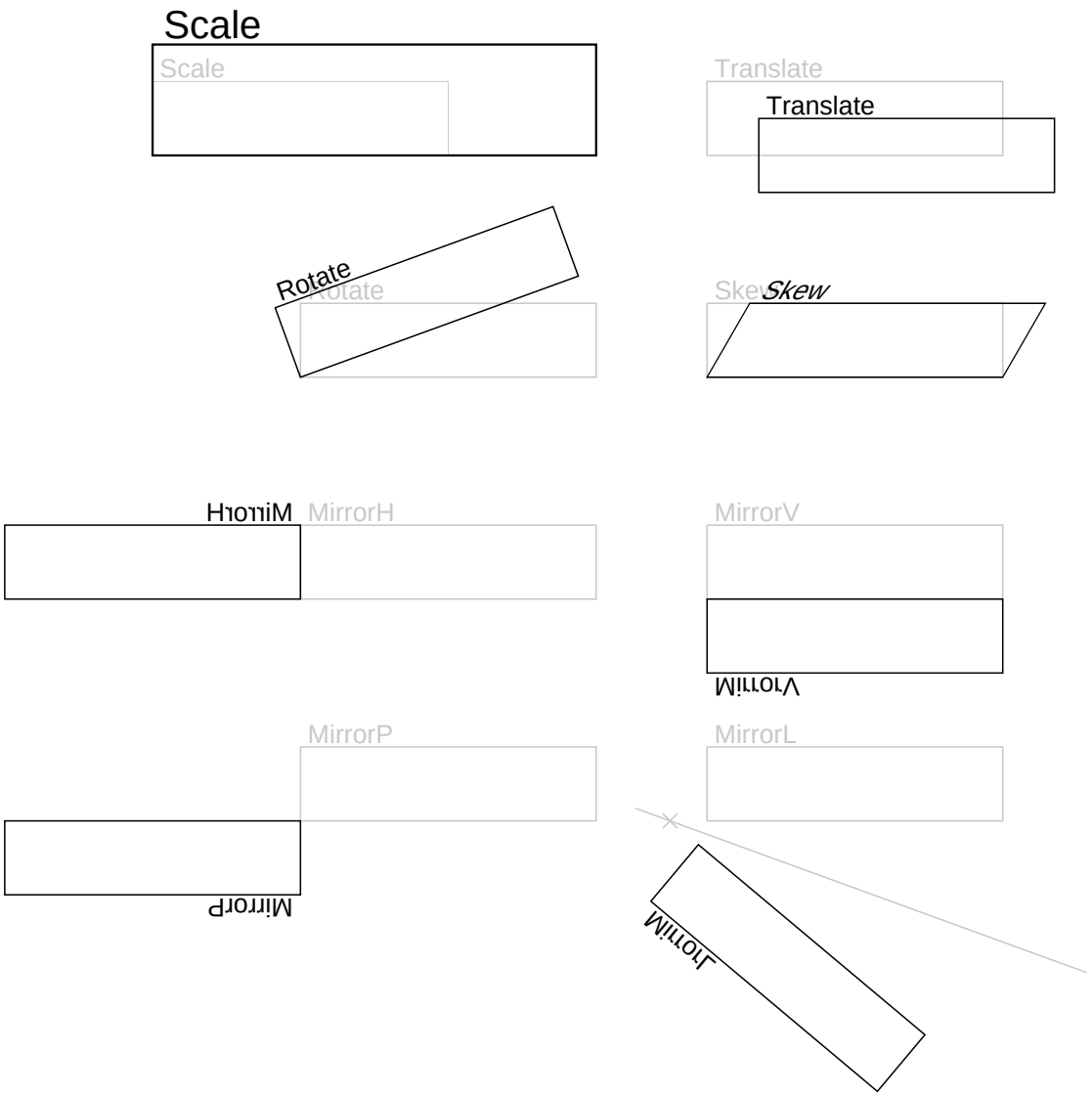Graphic Transformations