Apply a vertical reflection, a horizontal stretch factor $\frac{1}{5}$ and a horizontal translation 3 units to the right to the following functions:

1. $y=f(x)$
2. $y=\frac{1}{x}$
3. $y=-2x^{2}+3x-1$

Apply the same transformations to the following points (mapping)

1. (-1,3)
2. (2,-5)