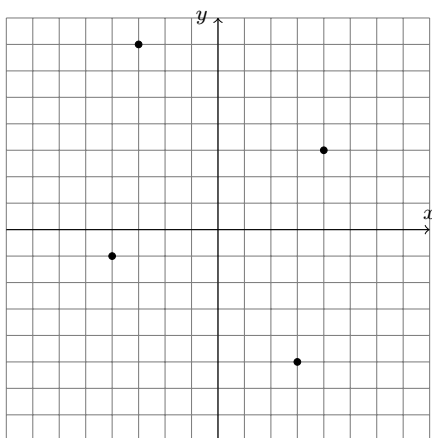
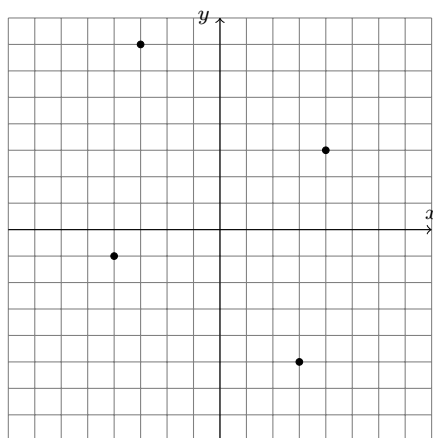


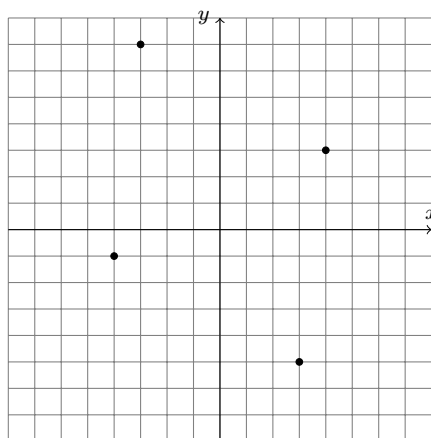
MATH 1136 TRANSFORMATION EXAMPLES



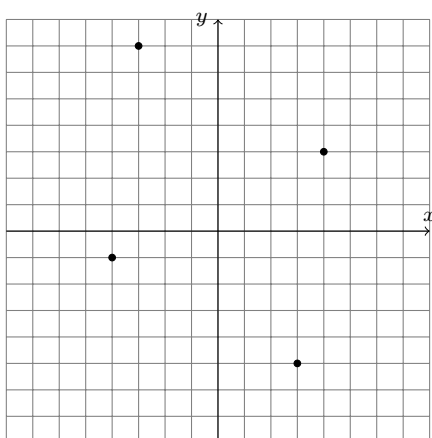
reflect across x -axis



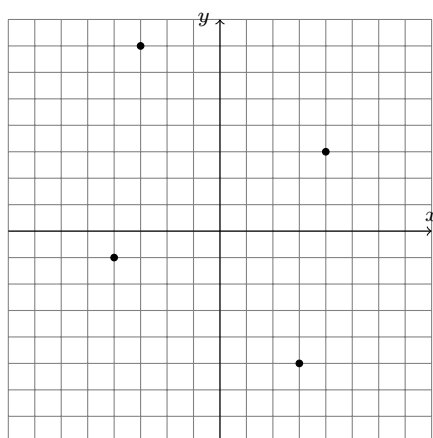
reflect across y -axis



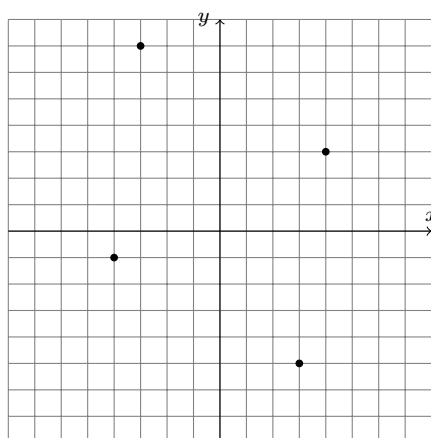
reflect across line $y = 2$



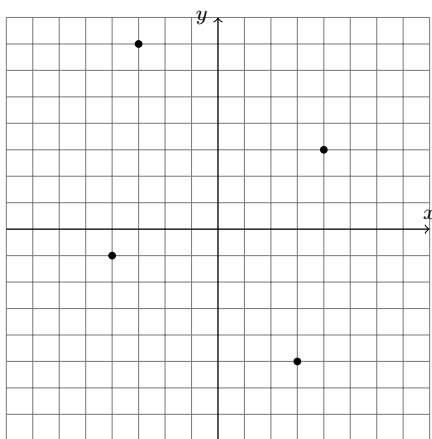
rotate 90° around the origin
(counter-clockwise)



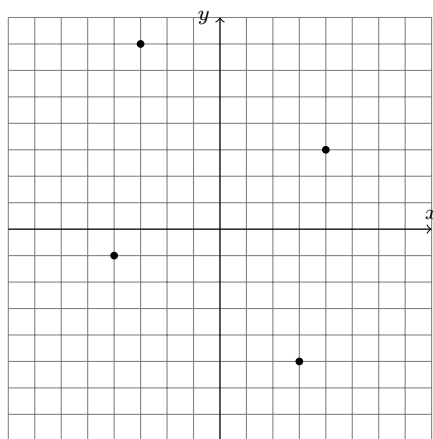
rotate 180° around the origin
(counter-clockwise)



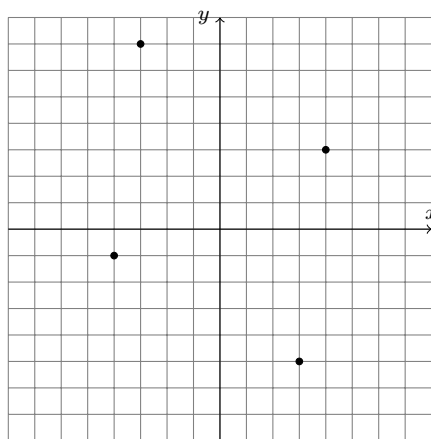
rotate 270° around the origin
(counter-clockwise)



translate by $(4, -2)$



reflect across the line $y = x$



reflect across the line $x = -1$

Date: 2017-04-19.

Solutions are available from our homework page, or <http://nilesjohnson.net/teaching/SP17/1136/transformations-solutions.pdf>.