

# **Glide Reflection**

Isometries of the Plane, p. 3

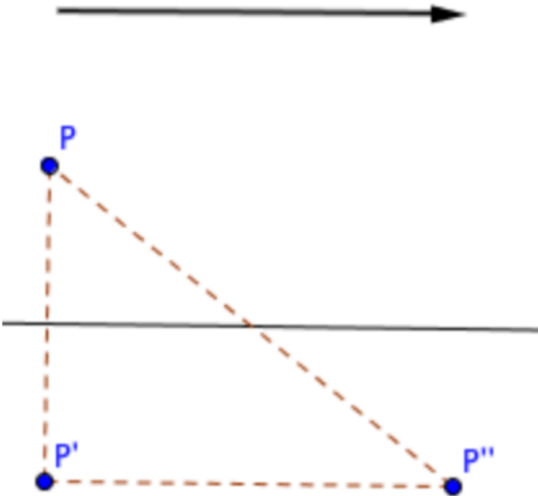
# **Isometry Specifications**

Isometries of the Plane, pp. 4-5

# **Center of Rotation**

## 6. Mystery Isometry

# Glide Reflection Line



# Two Reflections

Isometries of the Plane, p. 7 #1-4

# Inverse Transformations

Translation, vector  $v$   $-->$  Translation  $-v$

Rotation, center  $O$ , angle  $\theta$   $-->$  Rotation, center  $O$ ,  $-\theta$

Reflection, line  $b$   $-->$  Reflection, line  $b$

Dilation, center  $O$ , scaling factor  $r$   $-->$

Dilation, center  $O$ , scaling factor  $1/r$

# **More Composition**

Isometries of the Plane, p. 7 #5-10

Isometries Lesson 4 (p. 7)

Dilations Lesson 5 (p. 8)

## **Congruence and Similarity**

(start at the beginning)



A diagram consisting of a horizontal line and a vertical line intersecting at the center. The four quadrants are labeled as follows: top-left is JQFπ, top-right is HIOX, bottom-left is MAE, and bottom-right is ZNS.

JQFπ

HIOX

MAE

ZNS