

DO NOW – On the back of this packet

Name _____

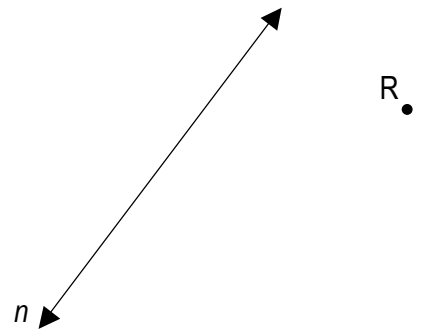
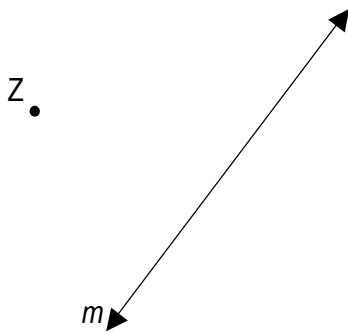
LO: I can construct a **reflection** of a figure, explain how the construction works, and use reflection function notation to describe the reflection.

(1) **Just the facts:**

- notes
- For a given circle, all radii are _____
 - The points on a perpendicular bisector are located so that they are _____
 - The line of reflection between a point and its image is the _____ of the segment that connects the point to its image.

(2) **Reflections**

- compass
- Use the facts above to construct the reflection of point Z across line *m*. Then construct the reflection of R across line *n*.

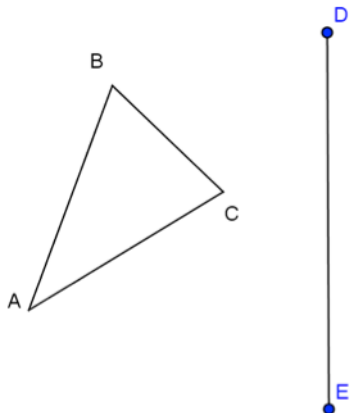


Write the reflection function _____

Write the reflection function _____

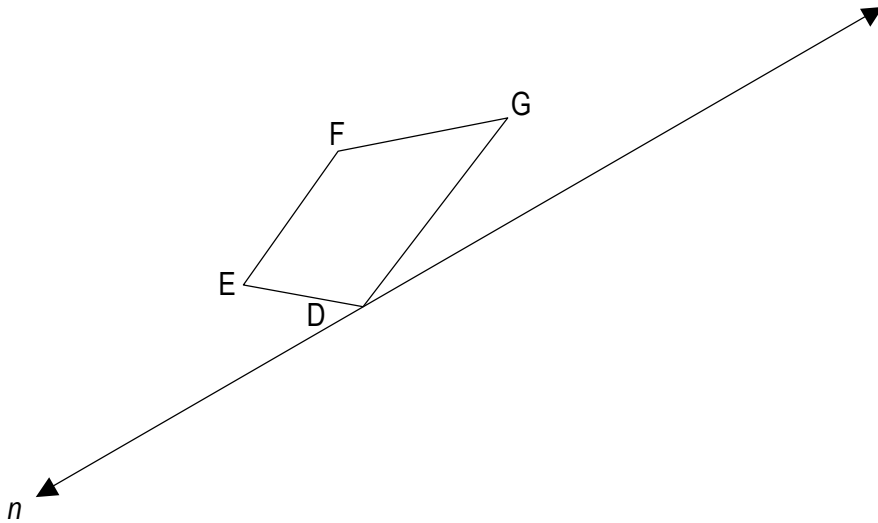
(3) **Reflection practice** Construct the reflection of each figure across the given line or line segment.

compass (a) Write the reflection function _____

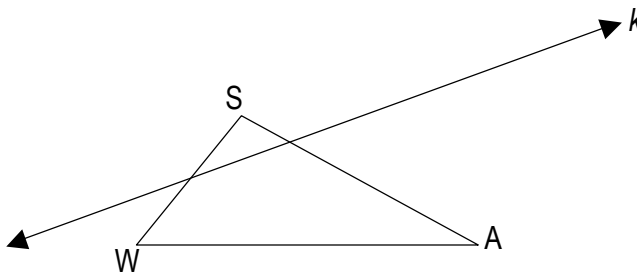


(3) **Reflection practice** Construct the reflection of each figure across the given line or line segment.
cont.

(b) Write the reflection function _____



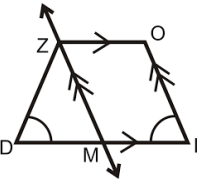
(c) Write the reflection function _____



(4) cont, compass highlighters

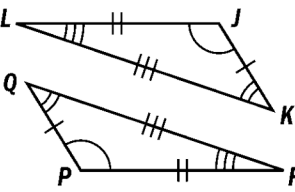
Homework

(3) Name the congruent parts in the diagrams below

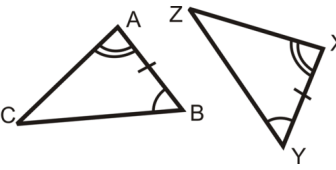


Example:
 $\angle D \cong \angle I$
 (same marks)
 no other parts congruent
 because there are no dashes
 only parallel arrows

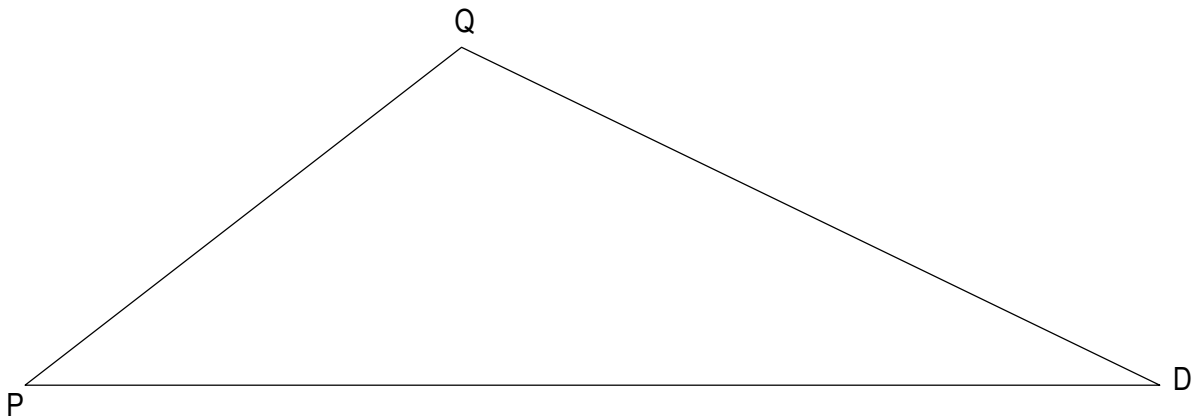
1.



2.



(4) Construct a copy of angle Q from triangle PDQ.



Exit Ticket **Name** _____ **Date** _____ **Per** _____

2.4R

(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

- (a) Draw line m and draw point S so that it is not on line m .
- (b) Construct the reflection of S across line m and label it S' .

- (c) Write the reflection function _____
- (d) Describe how you know your construction guarantees the reflection of S .

DO NOW Name _____ Date _____ Per _____

2.4R

- (1) Draw \overline{CD} and construct the perpendicular bisector of \overline{CD} . Pick a random point on the perpendicular bisector and label it E. What is the relationship between points E, C, and D? (Write something other than E is on the perpendicular bisector of \overline{CD} .)

- (3) Are the pieces for this Tic Tac Toe board “X’s” and O’s” or “V’s” and arches? Explain what is going on.

