

Math 9

Name: _____

7.4 – Reflections & Lines of Symmetry

Date: _____

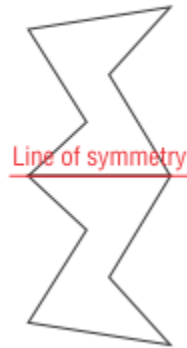
Complete the worksheet on *Lines of Symmetry*.

A *Line of Symmetry* is also known as a _____.

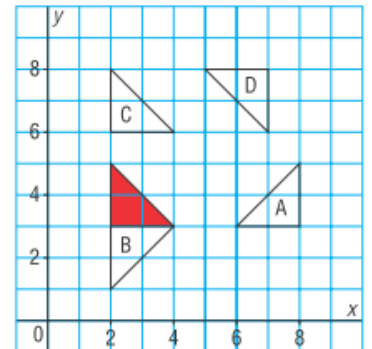
Original shape



Original shape and its reflection image



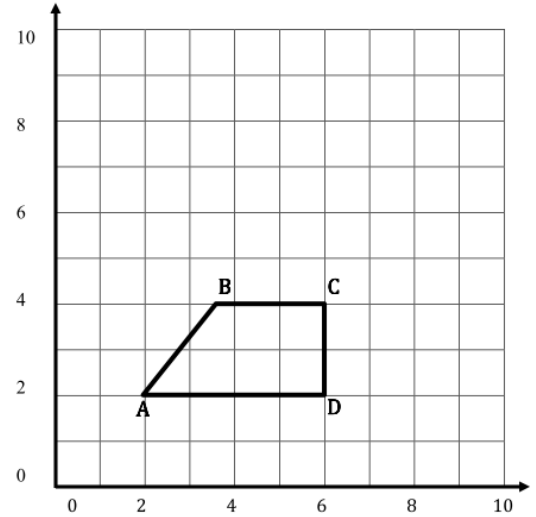
Ex. 1: a. Identify the triangles that are related to the RED triangle by a *line of reflection*.



b. Describe the position of each line of symmetry.

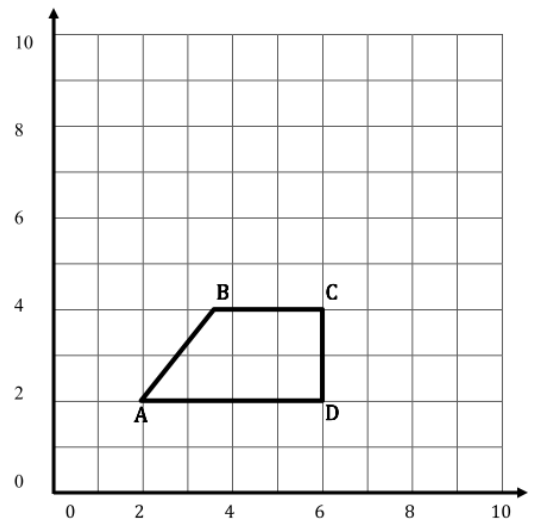
Ex. 2: Given the Quadrilateral $ABCD$, shown below, determine the coordinates of the *image* points after a reflection in the line, $y = 2$.

Original Point	Image Point
$A(2, 2)$	$A'(\quad, \quad)$



Ex. 3: Given the Quadrilateral $ABCD$, shown below, determine the coordinates of the *image* points after a reflection in the line, $x = 6$.

Original Point	Image Point
$A(2, 2)$	$A'(\quad, \quad)$



Ex. 2: Given the Quadrilateral $ABCD$, shown below, determine the coordinates of the *image* points after a reflection in the oblique line through the points, $(0, 0)$ and $(6, 6)$

Original Point	Image Point
$A(2, 2)$	$A'(\quad, \quad)$

