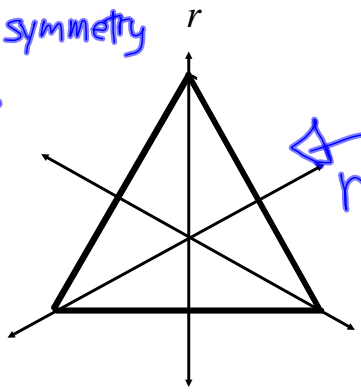
7th Grade
Lesson 58

- I can identify and draw the lines of symmetry in figures.
- I can study pairs of numbers to determine the rule for a function.
- I can use the rule for a function to find a missing number.

A two-dimensional figure has **line symmetry** if it can be divided in half so that the halves are mirror images of each other.

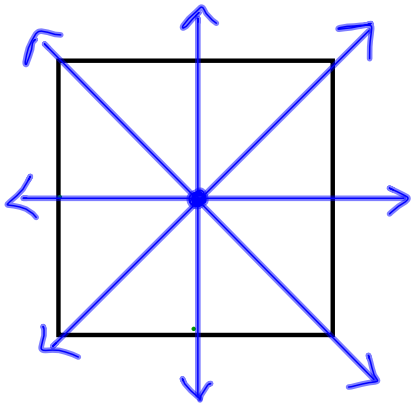
r is a line of symmetry because it divides the triangle into halves that are mirror images



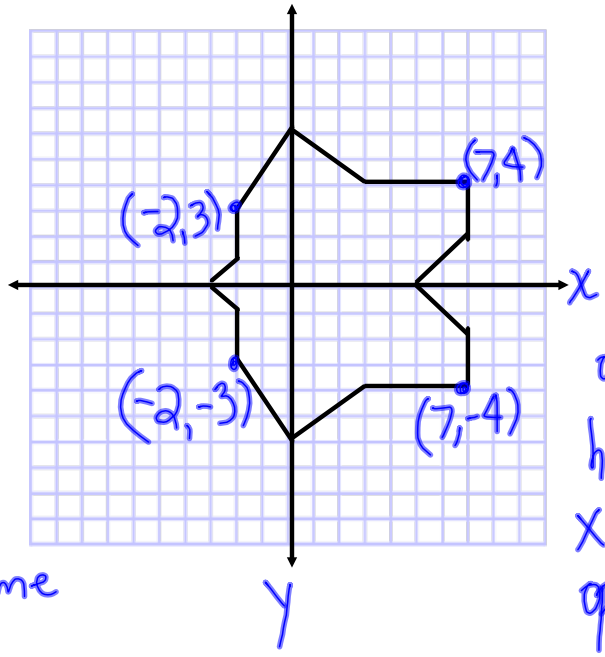
regular triangle

Regular Quadrilateral

4 lines of Symmetry

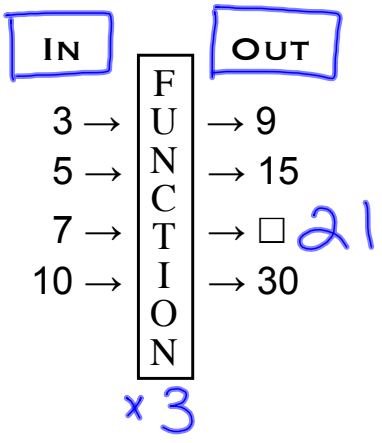


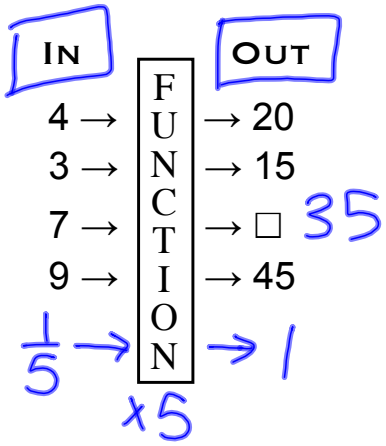
If the y-axis is the line of Symmetry "mirrored" ordered pairs have opposite x values and the same y value



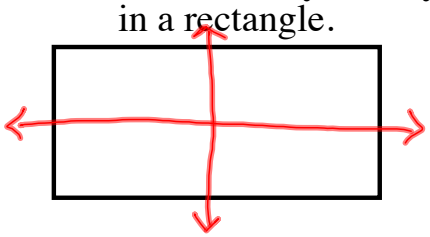
If the x-axis is the line of symmetry "mirrored" ordered pairs have the same x values and opposite y values

A **function** is a set of number pairs that are related by a certain rule.

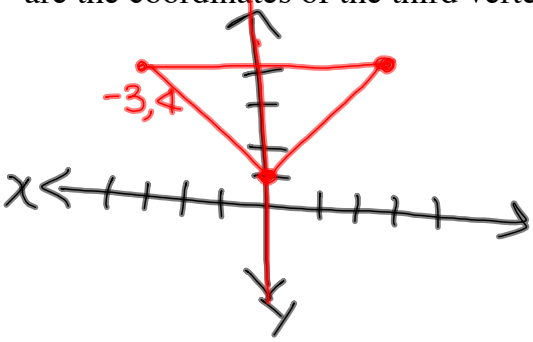


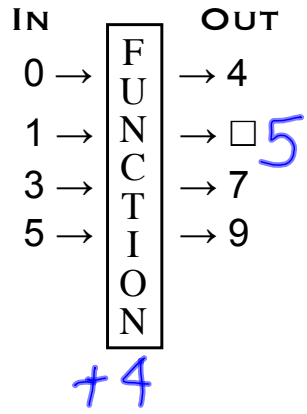


Show the lines of symmetry in a rectangle.



The y-axis is a line of symmetry for a triangle. The coordinates of two of its vertices are (0, 1) and (3, 4). What are the coordinates of the third vertex?





Assignment:

Problem Set 58 # 3-5, 7-10, 13, 16, 22-27, 29

****No items left blank or it's incomplete**