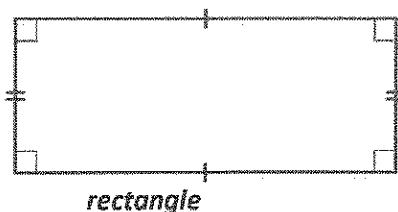


G4-M4-Lesson 15

I use what I learned in Lessons 3 and 4 to draw parallel and perpendicular lines using a right angle template and a ruler.

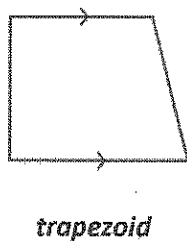
Construct the following figures based on the given attributes. Give a name to each figure you construct. Be as specific as possible.

1. A quadrilateral with opposite sides the same length and four right angles



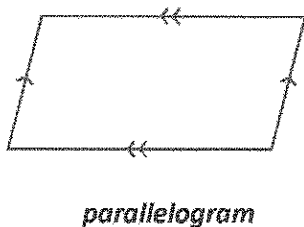
I draw the bottom segment using my ruler. I draw the two sides using my right angle template and ruler to make right angles and to make the left and right side lengths equal. I draw the top segment perpendicular to the sides and parallel to the bottom segment. I draw small squares to show the right angles and tick marks to show which sides are equal.

2. A quadrilateral with one set of parallel sides



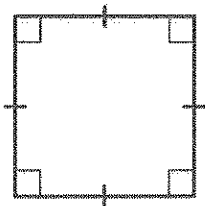
I draw a horizontal segment. I draw a segment that is parallel to the first segment. I connect the endpoints of the segments. I draw arrows to label the parallel sides.

3. A quadrilateral with two sets of parallel sides



I start by drawing horizontal, parallel sides just as when I started drawing a trapezoid. After I draw the left side segment, I make sure the right side segment is parallel to it. I add arrows on the opposite segments to show they are parallel to each other.

4. A parallelogram with all sides the same length and four right angles



square

I start by drawing a parallelogram, except I draw the left side segment perpendicular to the horizontal segments. I measure the left side segment and make sure to make the top and bottom segments the same lengths. I draw a right segment perpendicular to the top and bottom segments. It will be the same length as all other sides. I add tick marks and right angle squares.