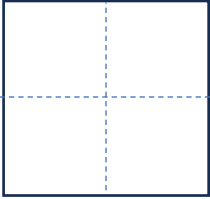


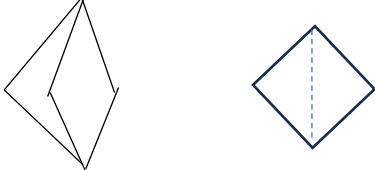




Name: \_\_\_\_\_

# Origami Parallelograms

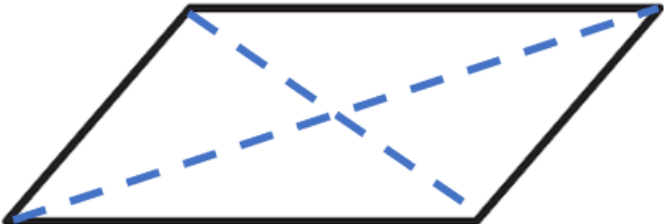
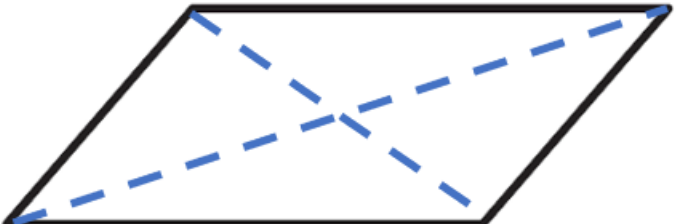
Directions: Construct each of the following quadrilaterals, and make notes about their characteristics.

## Parallelograms

<p>1.) Create mountain folds.</p> 	<p>2.) Flip over. Now fold bottom right corner to top middle line.</p> 
<p>3.) Fold back into a rectangle with opening faced up. Now fold bottom right corner to top middle line.</p> 	<p>4.) Open and flatten to make a square.</p> 
<p>5.) Fold corner up (only top paper, not whole corner) to meet center line. Turn upside down &amp; repeat</p> 	<p>6.) Flip over. Do the same thing.</p> 

Fold the parallelogram along its diagonals.

- **Do you notice any rotational or reflection symmetry?**

<p>What relationships do you notice about the <b>lengths</b>? Mark relationships in the figure:</p> 	<p>What relationships do you notice about the <b>angles</b>? Mark relationships in the figure:</p> 
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## Squares

Fold the square along its diagonals.

- **Do you notice any rotational or reflection symmetry?**

What relationships do you notice about the **lengths**?  
Mark relationships in the figure:



What relationships do you notice about the **angles**?  
Mark relationships in the figure:

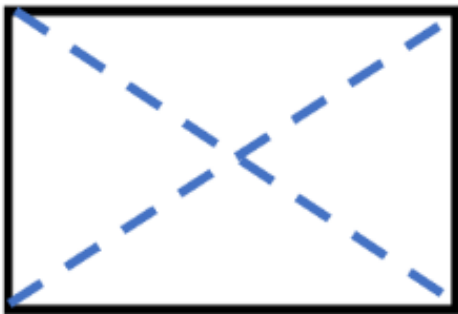


## Rectangles

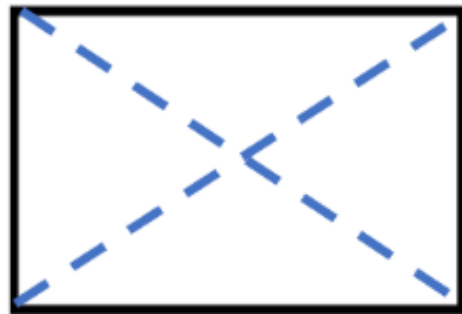
Make a rectangle from your square paper. Then fold the rectangle along its diagonals.

- **Do you notice any rotational or reflection symmetry?**

What relationships do you notice about the **lengths**?  
Mark relationships in the figure:

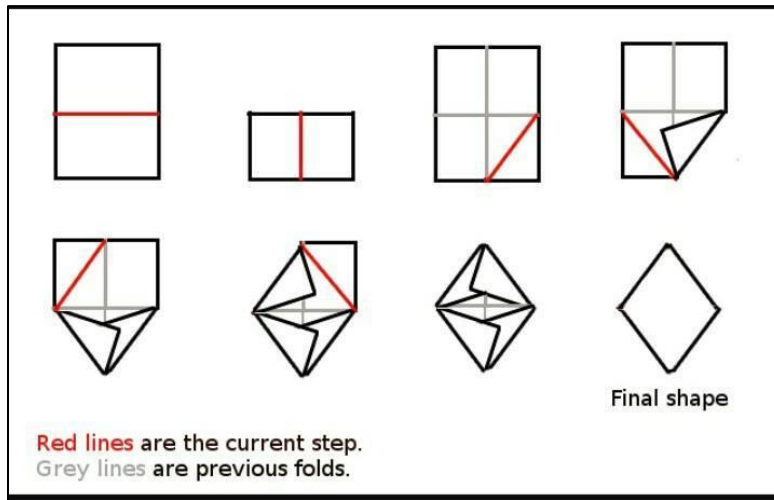


What relationships do you notice about the **angles**?  
Mark relationships in the figure:



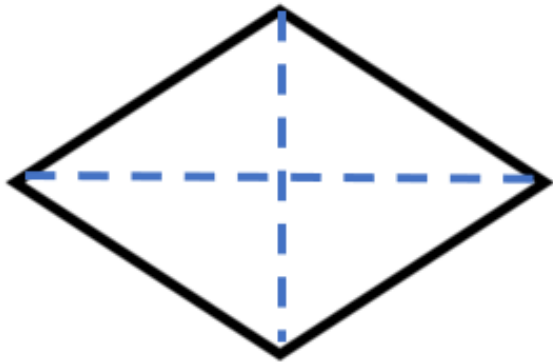
# Rhombuses

Use a piece of white computer paper. Fold the rhombus along its diagonals.



- **Do you notice any rotational or reflection symmetry?**

What relationships do you notice about the **lengths**?  
Mark relationships in the figure:



What relationships do you notice about the **angles**?  
Mark relationships in the figure:

