

(PART 1) Use the BLUE property cards to help you SET UP each venn diagram below.

Your goal is to SORT the shapes according to the properties in the venn diagram.

Use ONE SET of shapes as you sort. Choose:

GREEN , if you are ready to GO apply your knowledge to new situations. Given the name, you know the attributes.

YELLOW, if you are ready to PROGRESS with a bit of support. Given the shape to look at, you know the basic properties and can visualize the diagonal properties.

RED, if you are ready to START with the basic information. Given the shape with diagonals, you can figure out the properties for the shapes.

(a) LEFT CIRCLE: 2 pair of congruent angles RIGHT CIRCLE: 2 pairs of congruent sides

(b) LEFT CIRCLE: congruent diagonals RIGHT CIRCLE: 2 pairs of parallel sides

(c) LEFT CIRCLE: diagonals bisect each other RIGHT CIRCLE: diagonals are perpendicular

(d) LEFT CIRCLE: diagonals bisect opposite angles RIGHT CIRCLE: diagonals are congruent

(e) LEFT CIRCLE: 2 pairs of opposite angles congruent RIGHT CIRCLE: no parallel sides

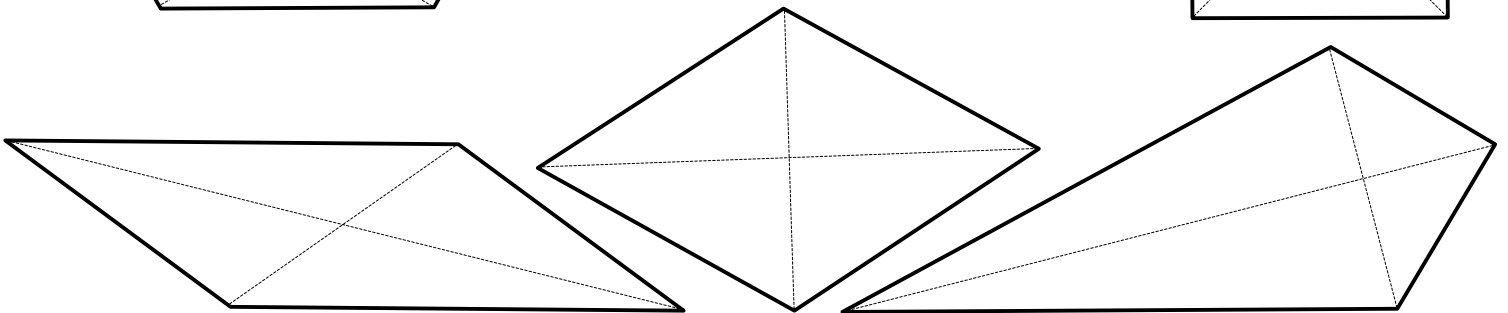
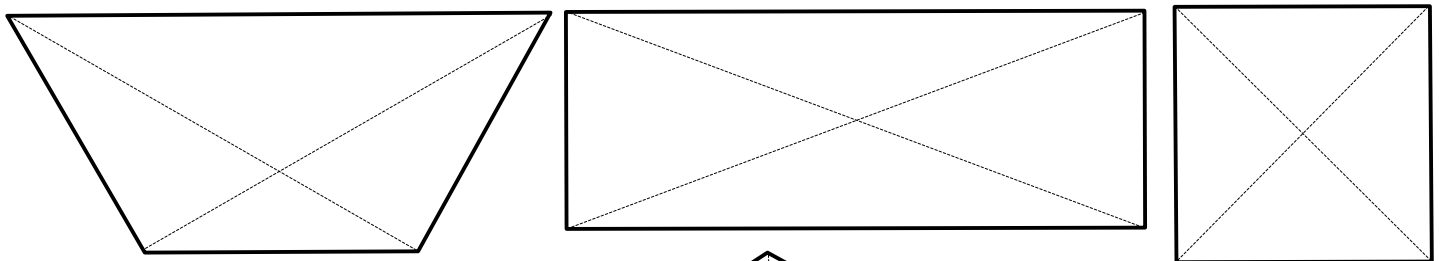
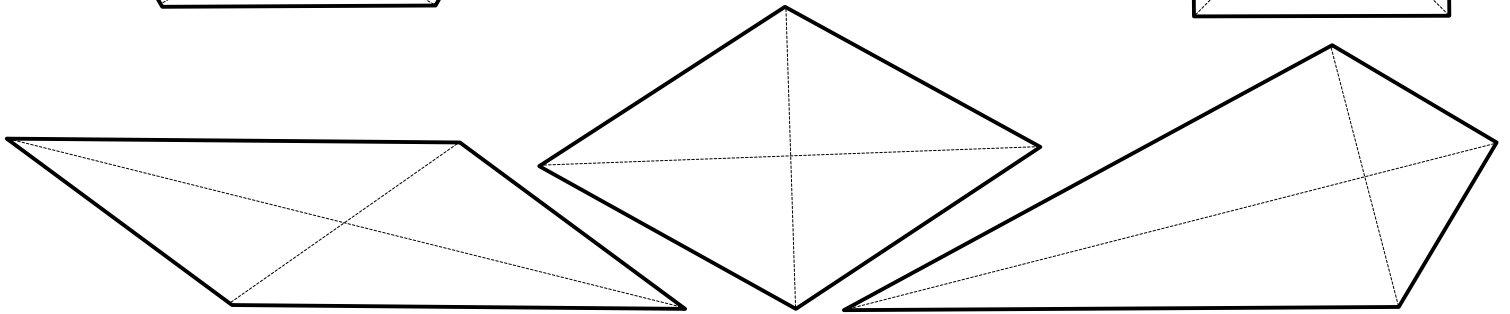
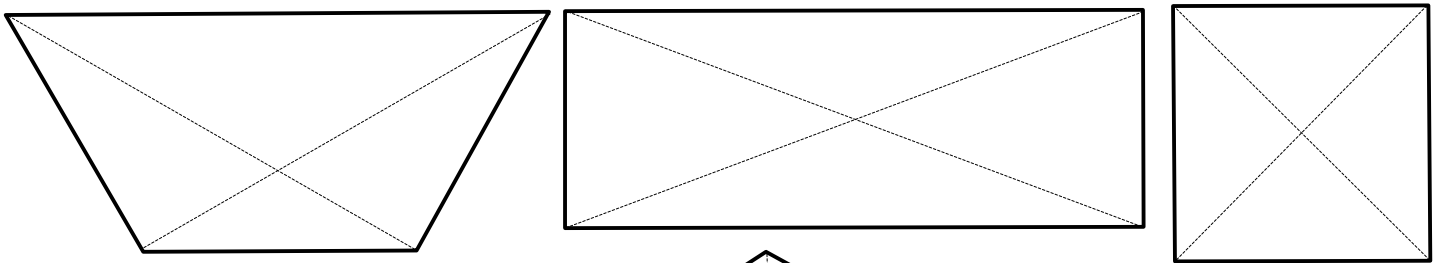
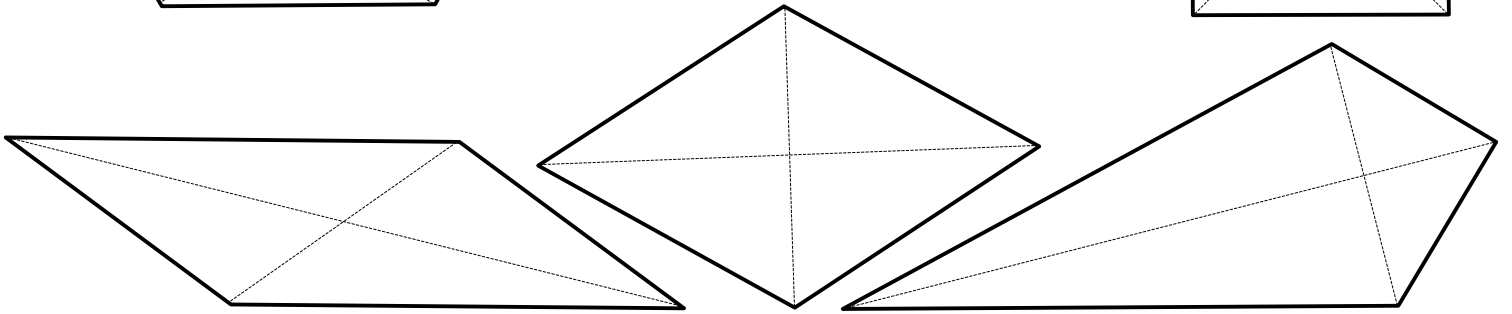
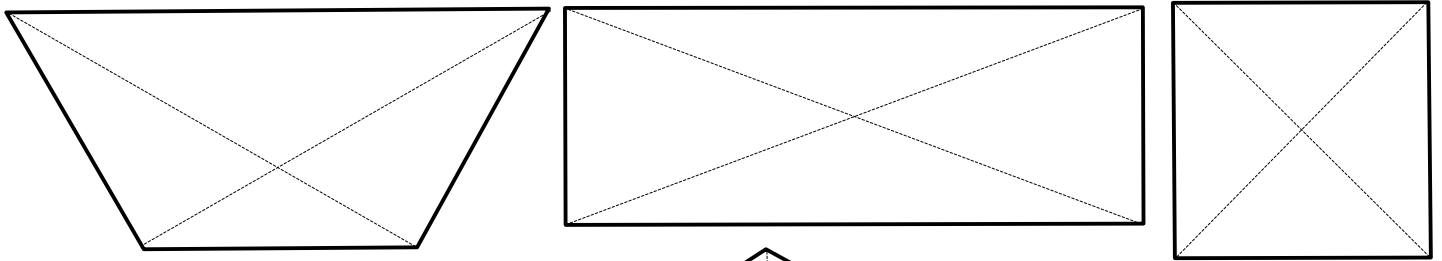
(f) LEFT CIRCLE: at least 1 pair of parallel sides RIGHT CIRCLE: perpendicular diagonals

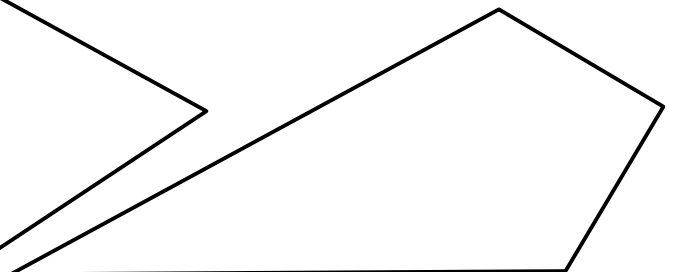
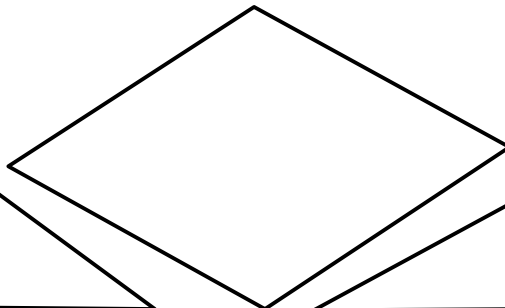
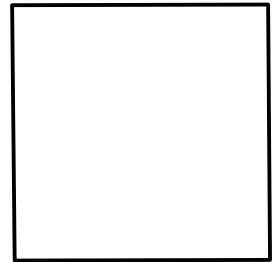
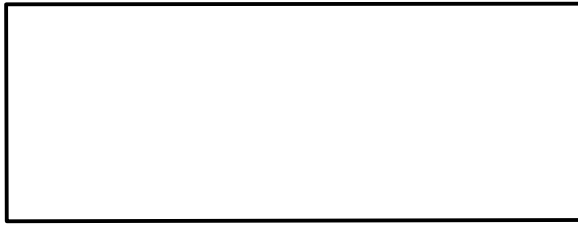
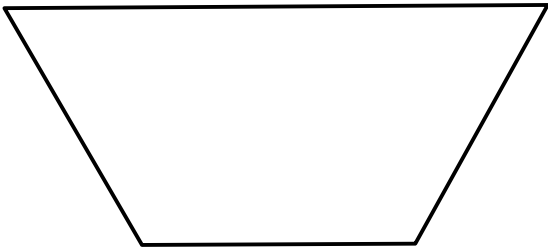
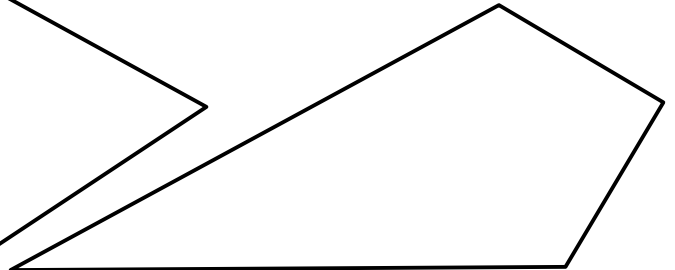
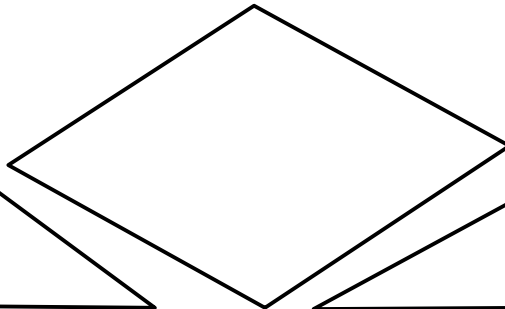
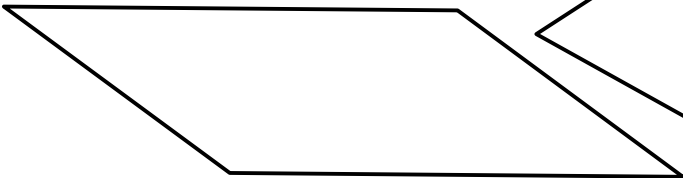
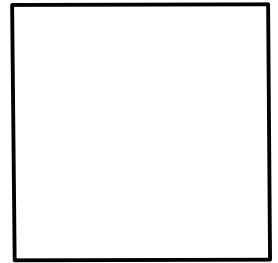
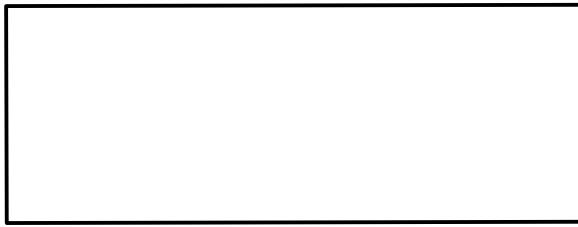
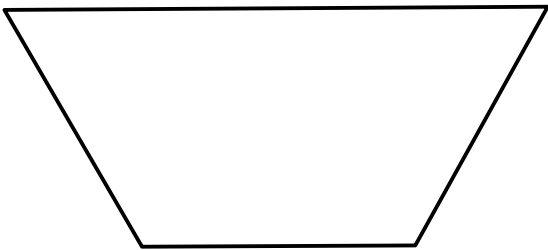
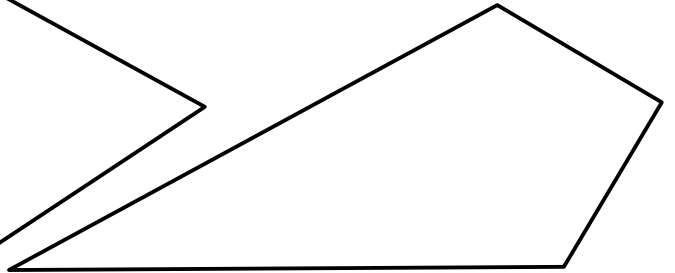
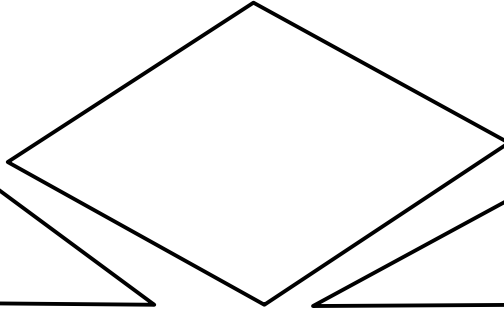
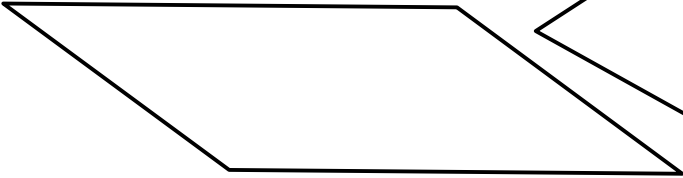
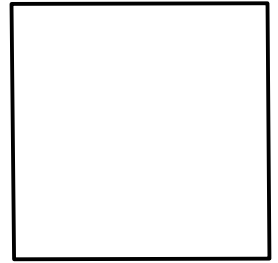
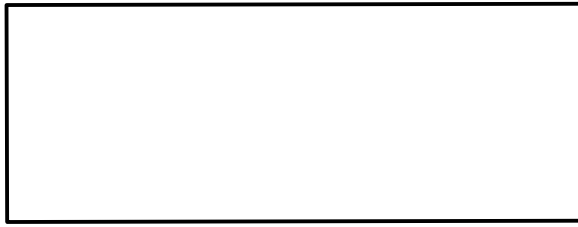
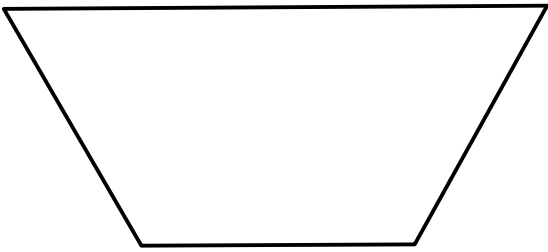
(PART 2) Shuffle the blue property cards and stack them. Draw 1 for the left circle and one for the right and make your own venn diagrams. When you can do this with the GREEN set of shapes, record 4 of the venn diagrams you create on the 6.3 lesson page. Now you are ready to apply your knowledge to the rest of the problems on the 6.3 lesson page. FIRST, pack up the following materials and return to the class pockets:

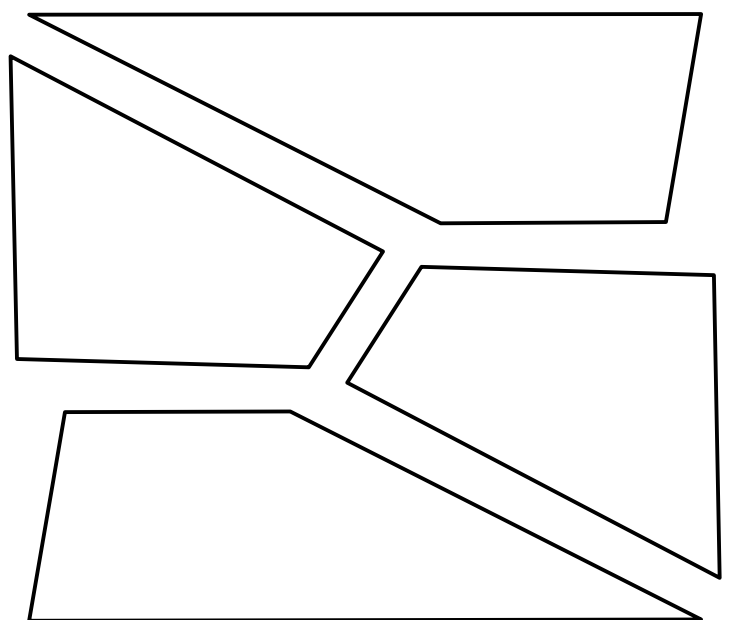
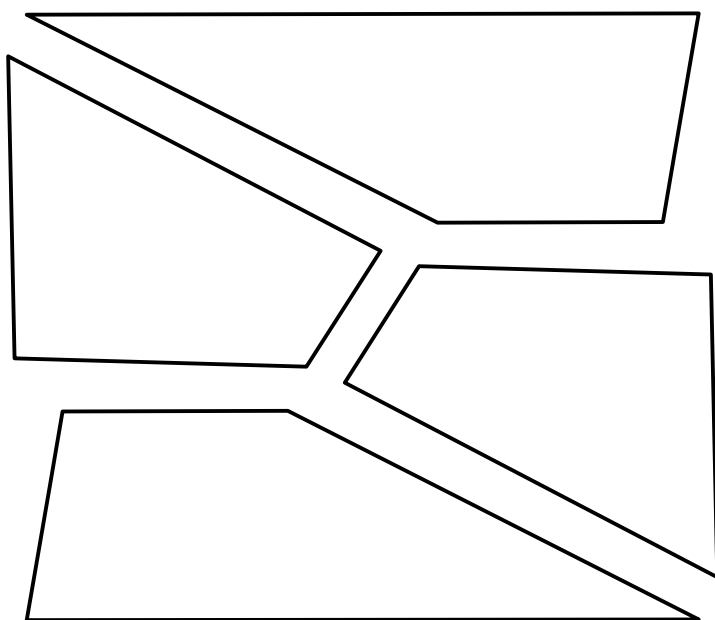
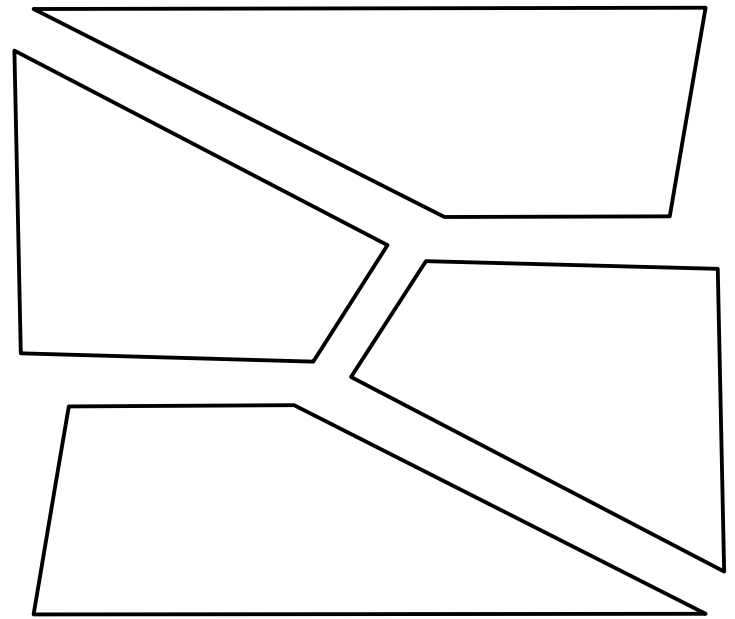
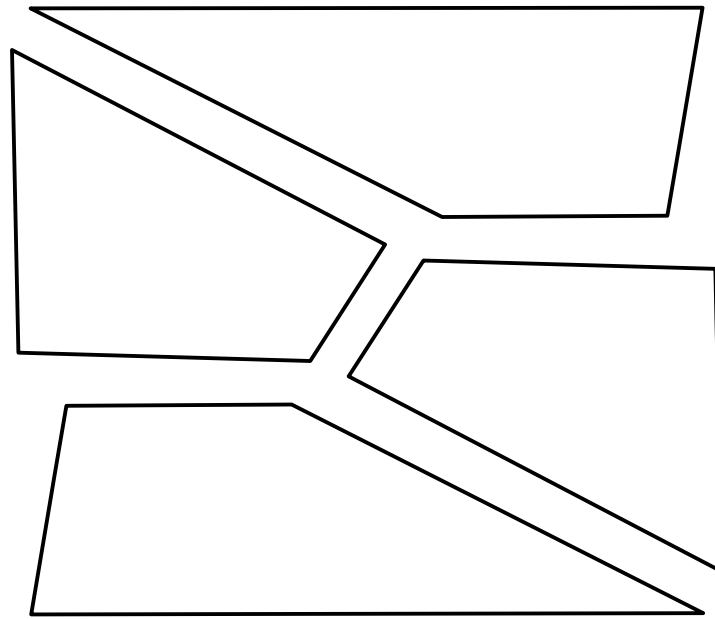
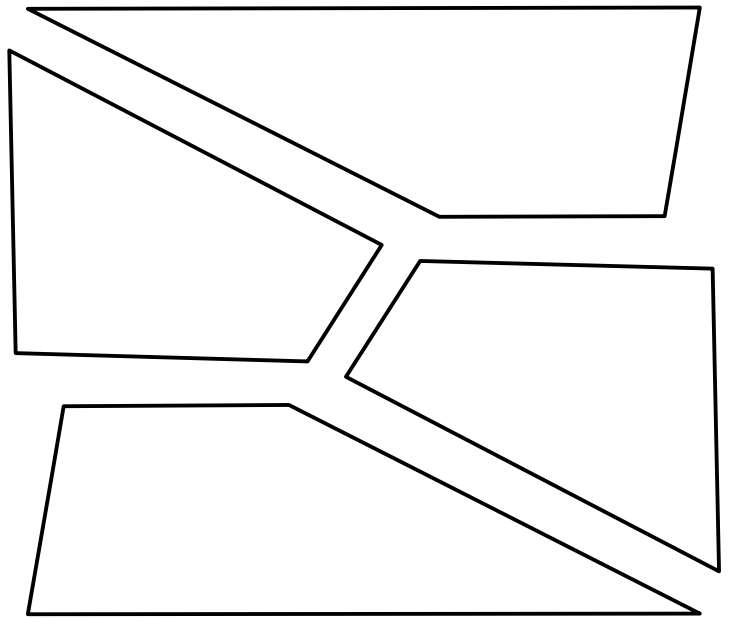
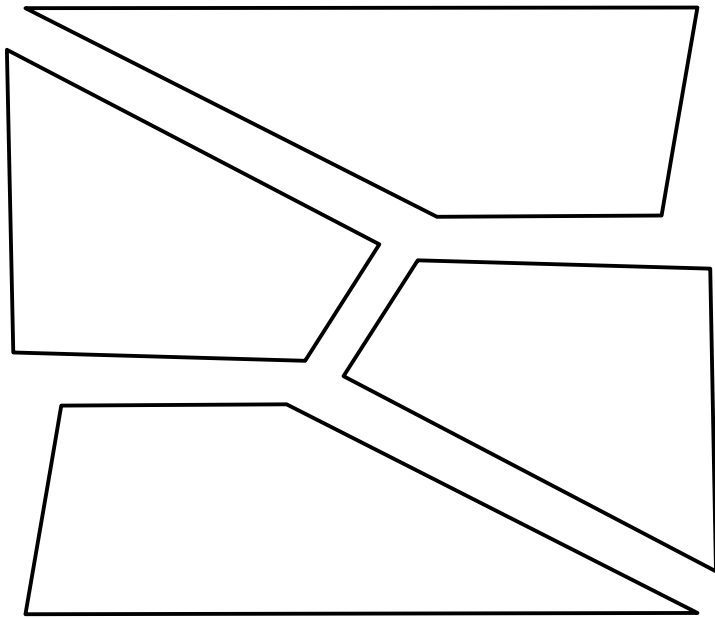
8 RED, 8 YELLOW, and 8 GREEN shapes in your baggie.

16 BLUE property sheets in the baggie with the shapes.

This plastic sheet of directions and the venn diagram.







Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

Parallelogram

Rectangle

Rhombus

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Trapezoid

Isosceles

Trapezoid

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Quadrilateral

Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

Parallelogram

Rectangle

Rhombus

Square

Trapezoid

Isosceles

Trapezoid

Kite

Quadrilateral

2 pairs of parallel sides	perpendicular diagonals	diagonals bisect each other	opposite angles are congruent
opposite sides are congruent	2 pairs of congruent sides	2 pairs of congruent angles	diagonals bisect opposite angles
exactly 1 pair of parallel sides	exactly 1 diagonal is bisected by the other	exactly 1 diagonal bisects a pair opposite angles	2 pairs of consecutive sides are congruent
4 congruent angles	congruent diagonals	4 congruent sides	4 right angles

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