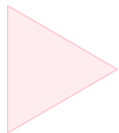
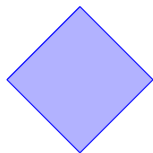


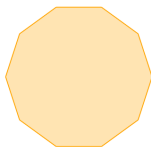
The Quadrilateral Family

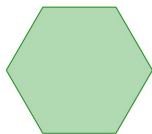
Warmup

1. Identify each polygon

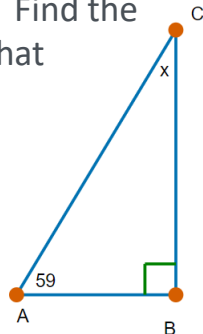








2. $\angle ABC$ is a right angle. Find the measure of $\angle ACB$ given that $\angle CAB = 59^\circ$.



3. A trapezoid is defined as a _____ with exactly _____
_____.

4. What are the properties of a rectangle?

Select one or more:

- ☐ Opposite sides $\cong$
- ☐ Has 4 right angles
- ☐ All sides are $\cong$
- ☐ A 4-sided polygon
- ☐ Opposite sides are $//$ (parallel)

5. What are the properties of a square?

Select one or more:

- ☐ Opposite sides $\cong$
- ☐ Has 4 right angles
- ☐ All sides are $\cong$
- ☐ A 4-sided polygon
- ☐ Opposite sides are $//$ (parallel)

6. Select the statements that are true about parallelograms. Select one or more:

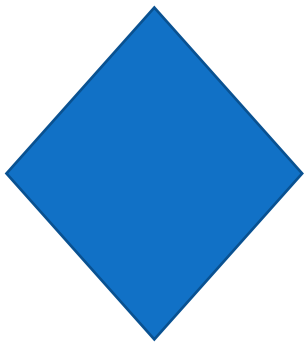
- | | |
|--|--|
| ☐ All the sides are congruent. | ☐ The opposite sides are parallel. |
| ☐ The opposite sides are parallel. | ☐ A parallelogram is not a polygon. |
| ☐ The parallelogram is a 4-sided polygon. | ☐ All the sides are congruent. |

I. Rhombus

II. The Quadrilateral Family

III. Interior angles of a Quadrilateral

I. Rhombus



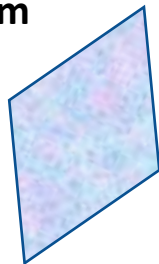
A rhombus is an equilateral parallelogram

All 4 sides are congruent

Opposite sides are $\parallel$ (parallel)

Opposite angles are congruent

The diagonals are perpendicular bisectors

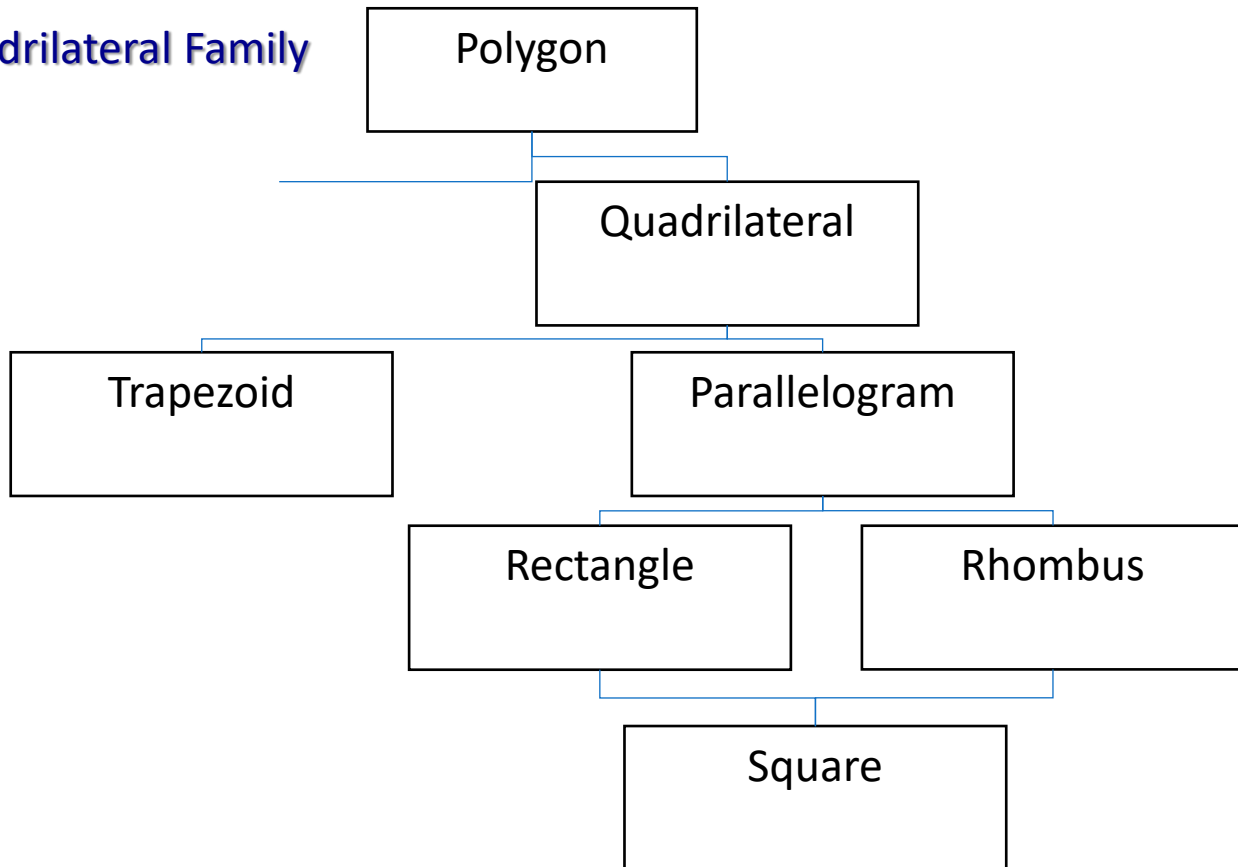


7. What are the properties of a rhombus?

Select one or more:

- ☐ a 4-sided polygon
- ☐ all sides are $\equiv$ (congruent).
- ☐ has 4 right angles
- ☐ opposite sides are $\equiv$ (congruent).
- ☐ opposite sides are $\parallel$ (parallel).
- ☐ is a parallelogram

II. The Quadrilateral Family



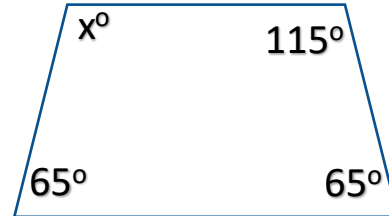
	Quadrilateral	Parallelogram	Trapezoid	Rectangle	Rhombus	Square
Opposite Sides $\cong$						
Opposite Sides //						
All sides $\cong$						
All Right angles						
Opposite Angles $\cong$						
Diagonals $\cong$						

III. Interior angles of a Quadrilateral



The Sum of the interior angles of a quadrilateral: The sum of the interior angles of a quadrilateral is _____°

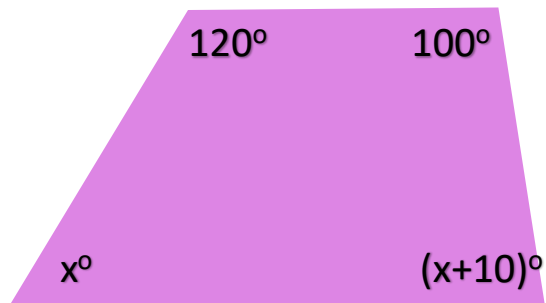
Determine the measure of each angle.



Determine the measure of each angle.



Determine the measure of each angle.



[illegible]