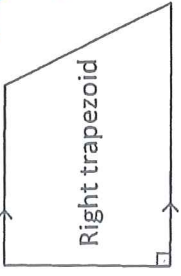
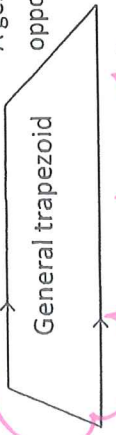


Polygons

Quadrilaterals

A 4 sided polygon

A general trapezoid is a quadrilateral with one pair of opposite sides parallel

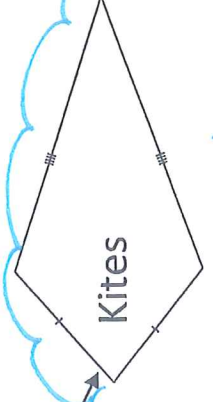


A right trapezoid is a trapezoid with one leg perpendicular to the parallel sides.



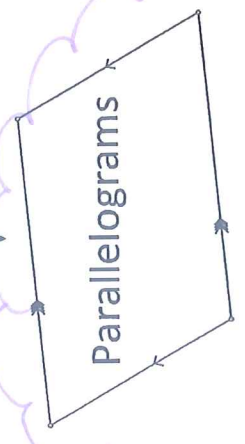
An isosceles trapezoid is a trapezoid with one pair of congruent legs; recall the legs are the non-parallel sides of the trapezoid

Trapezoids



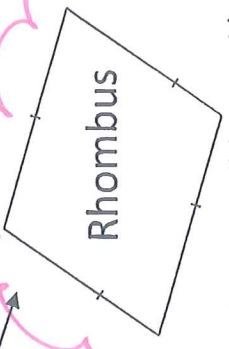
A kite is a quadrilateral with two pairs of consecutive congruent sides.

Kites



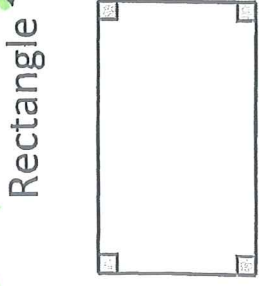
A parallelogram is a quadrilateral with two pairs of opposite sides parallel

Parallelograms



A rhombus is a parallelogram with four congruent sides.

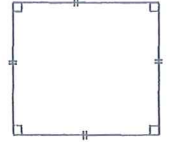
Rhombus



A rectangle is a parallelogram with four right angles.

Rectangle

Square



A square is a parallelogram with four right angles and four congruent sides.

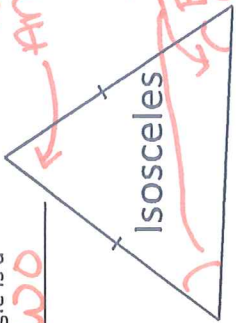
A square is also a Rhombus and a rectangle. But a Rhombus or rectangle don't need to be Squares. Not all Rhombus are Squares.

Polygons

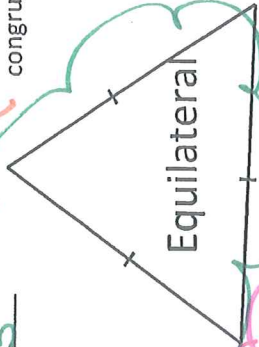
vertex angle

Base angles
Base \cong Base \cong

An isosceles triangle is a triangle with two congruent sides

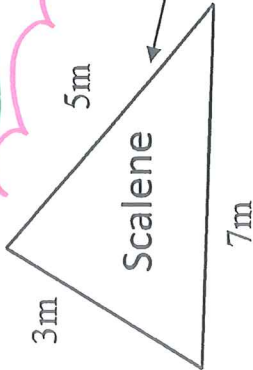


An equilateral triangle is a triangle with all 3 congruent sides



Equilateral

A scalene triangle is a triangle with no congruent sides



Scalene

Triangle
3sided
POLYGON



Right

A right triangle is a triangle with a right angle

An obtuse triangle is a triangle with only one obtuse angle (\angle).



Obtuse

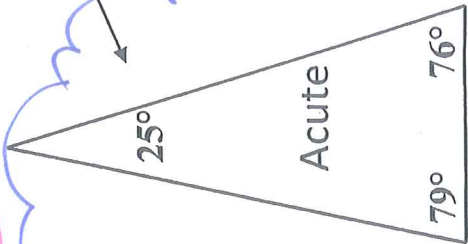
25°

Acute

79°

76°

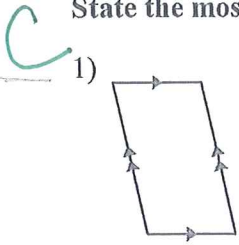
An acute triangle is a triangle with 3(all) acute angles.



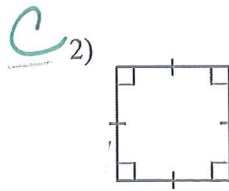
Elementary Classification

Date _____ Hour _____

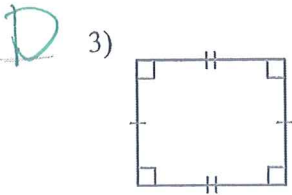
State the most specific name for each figure.



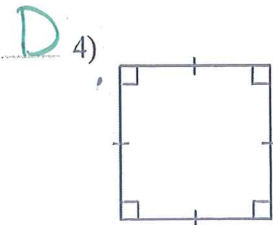
- A) kite
- B) quadrilateral
- C) parallelogram
- D) trapezoid



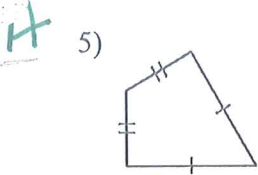
- A) quadrilateral
- B) trapezoid
- C) square
- D) kite



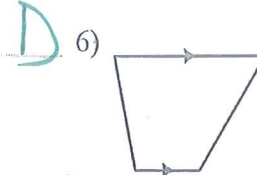
- A) trapezoid
- B) kite
- C) quadrilateral
- D) rectangle



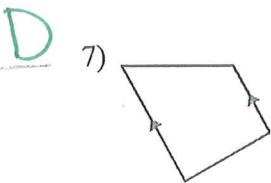
- A) trapezoid
- B) quadrilateral
- C) kite
- D) square



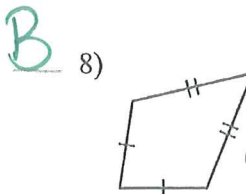
- A) kite
- B) isosceles trapezoid
- C) quadrilateral
- D) trapezoid



- A) kite
- B) quadrilateral
- C) isosceles trapezoid
- D) trapezoid

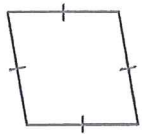


- A) kite
- B) quadrilateral
- C) isosceles trapezoid
- D) trapezoid



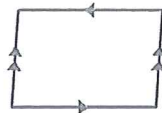
- A) trapezoid
- B) kite
- C) isosceles trapezoid
- D) quadrilateral

D 9)



- A) trapezoid
- B) kite
- C) quadrilateral
- D) rhombus

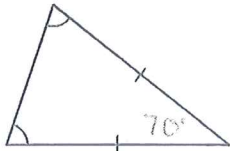
B 10)



- A) trapezoid
- B) parallelogram
- C) quadrilateral
- D) kite

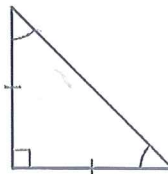
Classify each triangle by its angles and sides. Equal sides and equal angles, if any, are indicated in each diagram.

C 11)



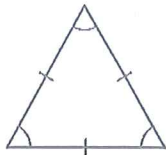
- A) equilateral
- B) right equilateral
- C) acute isosceles
- D) acute right

B 12)



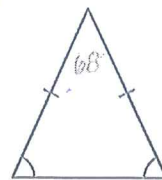
- A) obtuse scalene
- B) right isosceles
- C) right obtuse
- D) acute scalene

C 13)



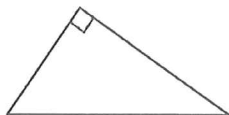
- A) acute obtuse
- B) obtuse scalene
- C) equilateral
- D) right scalene

~~A C~~ 14)



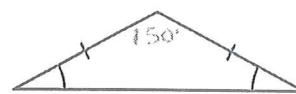
- A) acute isosceles
- B) acute scalene
- C) obtuse scalene
- D) right scalene

A 15)



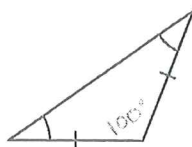
- A) right scalene
- B) right isosceles
- C) equilateral
- D) acute isosceles

C 16)



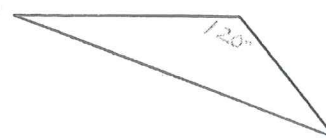
- A) acute scalene
- B) right equilateral
- C) obtuse isosceles
- D) obtuse scalene

A 17)



- A) obtuse isosceles
- B) acute scalene
- C) right isosceles
- D) obtuse scalene

C 18)



- A) equilateral
- B) right equilateral
- C) obtuse scalene
- D) right isosceles