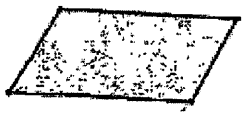
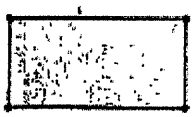
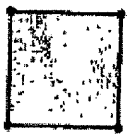
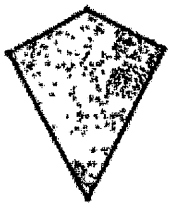
Quadrilaterals Introduction Chart

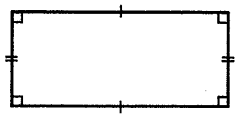
Example	Name	Description of Sides	Description of Angles
	**Quadrilateral**		
	**Parallelogram**	Pairs of opposite sides are _____ and _____	Opposite Angles are _____ Consecutive angles are _____
	**Rectangle**	Has all the properties of _____ Diagonals are _____	Has _____ angles
	**Rhombus**	Has all the properties of _____ Diagonals are _____	Diagonals bisect _____
	**Square**	Has all the properties of _____, _____, and _____	
	**Trapezoid**	Has exactly one pair of opposite sides which are _____	Exactly two pairs of consecutive angles are _____
	**Isosceles Trapezoid**	Has all the properties of a _____ Non-parallel sides are _____ Diagonals are _____	Base Angles are _____
	**Right Trapezoid**	Has all the properties of a _____	Has a _____ angle
	**Kite**	Both pairs or consecutive sides are _____ but opposite sides are _____ Diagonals are _____	Exactly one pair of opposite angles are _____

Name : _____ Score : _____

Identifying Quadrilateral

Write the name below each quadrilateral.

1)



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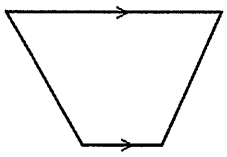

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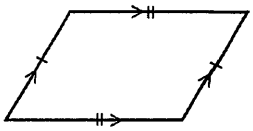

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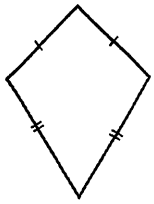

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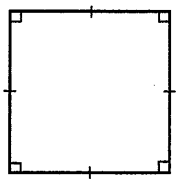

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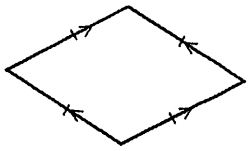

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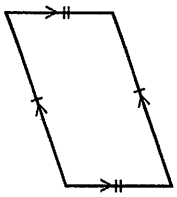

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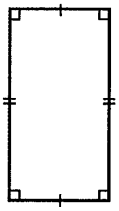

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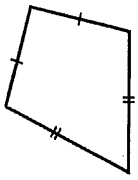

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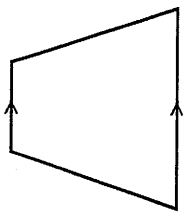

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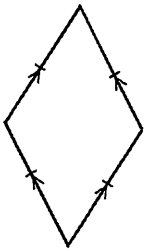

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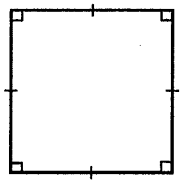

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Name _____ **SOL Quiz 6.13 Quadrilaterals**

The student will describe and identify properties of quadrilaterals.

1 Circle all of the attributes below that are true of a rhombus?

All angles are 90 °	Opposite sides are parallel	All angles are 45 °
All sides are congruent	Opposite angles are congruent	All angles measure 270 °

2 Which term most accurately classifies the figures below?

A) Square C) Trapezoid
Rhombus D) Parallelogram

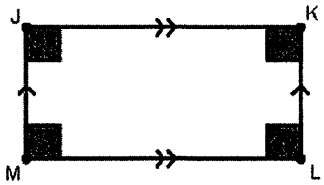
3 Circle each quadrilateral for which the following statement is always true:

Opposite angles and opposite sides are congruent.

Kite	Square	Rhombus
Rectangle	Parallelogram	Trapezoid

4 The following shape can be classified as all of the following except _____.

A. Rectangle
B. Parallelogram
C. Quadrilateral
D. Rhombus



5 Which of the following *best* describes the quadrilateral with only one set of parallel sides?

A. Rectangle

B. Rhombus

C. Square

D. Trapezoid

6 Chung drew a quadrilateral with these characteristics.

- **All sides are of equal length.**
- **The opposite sides are parallel and congruent.**
- **All angles are right angles.**

What type of quadrilateral did Chung draw?

A Rectangle C Rhombus

B Right triangle D Square

Review Topics: Distance, Midpoint, Perimeter and Area, Angles of Polygons

Formulas:	Distance: $d^2 = \Delta x^2 + \Delta y^2$	Midpoint: $M\left(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2}\right)$
n is the number of sides	Sum of Interior Angles: 180(n – 2)	Interior angle = $\frac{180(n-2)}{n}$
	Sum of Exterior Angle: 360°	Exterior Angle: $\frac{360}{n}$

Find the sum of the measures of the interior angles of each convex polygon.

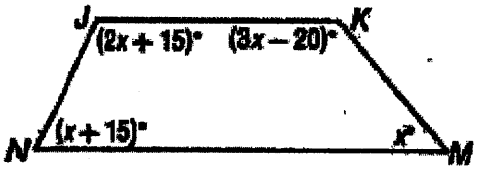
1. Dodecagon

The measure of an interior angle of a regular polygon is given. Find the number of sides in the polygon.

2. 156°

Find the measure of each interior angle.

3.



Find the measure of one interior angle of each regular polygon.

4. Octagon

Find the measure of one exterior angle of each regular polygon.

5. 36-gon

1. Find the Perimeter of the triangle