SIXTH GRADE MATHEMATICS

CHAPTER 9

GEOMETRIC PROPERTIES

TOPICS COVERED:

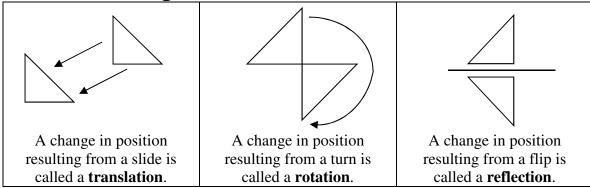
- ✤ Geometry Vocabulary
- ✤ Digital Picture Treasure Hunt
- Four Triangle Project
- Naming, Measuring, and Drawing Angles
- Classifying Angles
- Classifying Triangles
- Classifying Quadrilaterals
- Classifying Polygons
- Congruent and Similar Figures
- ✤ Transformations
- ✤ Line of Symmetry
- Coordinate Grids

Geometry is the area of mathematics that deals with the properties of points, lines, surfaces, and solids. It is derived from the Greek "geometra" which literally means earth measurement.

	Basic Geometric Ideas
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Description	Example	Symbol/Read
A point marks an exact location in space.	A	Point A
A line is a collection of points along a straight path extending endlessly in both directions.	←● ● → E F	Line EF \overrightarrow{EF}
A line segment is a part of a line between two endpoints.	A D	Line segment AD \overline{AD}
A ray is a part of a line that has one endpoint and extends endlessly in one direction.	A C	$\operatorname{Ray AC}_{\overrightarrow{AC}}$
An angle is formed by two rays with a common endpoint called a vertex .	A C	Angle BAC ∠BAC Vertex A
A plane is a flat surface extending endlessly in all directions.		Plane LJK

Figure Movement = Transformations



		Triangles	
Classified by	Side Length	Classified by Larg	est Type of Angle
Description	Example	Description	Example
Equilateral	Λ	Acute	\wedge
Three sides have the		All angles are acute	
same length (all		(less than 90	
sides congruent).		degrees).	
Isosceles	٨	Right	~
Two sides have the		There is one right	
same length (two		angle (90 degree	
sides congruent).		angle).	
Scalene		Obtuse	λ
No sides have the		There is one obtuse	
same length (no		angle (greater than	h
congruent sides).		90 degrees).	

Quadrilaterals

Description	Example
A trapezoid has exactly one pair of parallel sides.	$\overline{AB} \parallel \overline{DC} \qquad \qquad A \qquad \qquad B \\ D \qquad \qquad C$
A parallelogram has two pairs of parallel sides. Opposite sides are parallel and congruent.	$ \frac{\overline{EF} \parallel \overline{HG}}{\overline{EH} \parallel \overline{FG}} \qquad \begin{array}{c} E & \longrightarrow & F \\ \overleftarrow{EH} \parallel \overline{FG} & & \overrightarrow{H} & \overleftarrow{G} \end{array} \qquad F $
A rhombus is a parallelogram with all congruent sides. It has four congruent sides and opposite sides are parallel.	K L
A rectangle is a parallelogram with four right angles. Opposite sides are parallel and congruent.	$\begin{array}{c} O \\ \blacksquare \\ R \\ \end{array} \begin{array}{c} P \\ \blacksquare \\ P \\ \blacksquare \\ \end{array} \begin{array}{c} Q \\ \end{array}$
A square is a rectangle with four congruent sides. It has four right angles and opposite sides are parallel.	$\begin{array}{c} V \longrightarrow W \\ \downarrow \\ Y \longrightarrow X \end{array}$

Quadrilaterals		<u></u>	X
Trapezoids	Parallelograms	Rectangles	Squares Rhombus
)

Shapes/Lines/Angles

Description	Example	Description	Example	
A polygon is a closed figure formed by line segments joined only at their endpoints.		Parallel lines are lines in the same plane that never meet.	<>	
A quadrilateral is a polygon with four sides.	\bigcirc	Perpendicular lines are lines that cross at a 90 degree angle.	$\overset{\bullet}{\longleftarrow}$	
A pentagon is a polygon with five sides.		A hexagon is a polygon with six sides.		
A heptagon is a polygon with seven sides.		An octagon is a polygon with eight sides.		
A nonagon is a polygon with nine sides.		A decagon is a polygon with ten sides.		
An acute angle is an angle less than 90 degrees.		A right angle is an angle that measures 90 degrees.		
An obtuse angle is an angle greater than 90 degrees and less than 180 degrees.		A regular polygon is a polygon with all sides congruent and all angles congruent.		
A diagonal is a line segment that connects two vertices of a polygon and is not a side.				

3-D Figures				
Description	Example	Description	Example	
	nsional figure with 2 fa rest of the faces are rec			
Rectangular prism		Cube		
Triangular prism				
A pyramid	has one base with trian	ngular sides and a verte	ex at its top.	
Triangular pyramid		Square pyramid		
Curved surface shapes				
Cone	Cone	Cylinder		
Sphere				

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Polygons		3 sides	1.
Word bank:		4 sides	2.
Triangle		5 sides	3.
Decagon		6 sides	4.
Nonagon	A polygon	7 sides	5.
Octagon Quadrilateral	with	8 sides	6.
Hexagon		9 sides	7.
Pentagon		10 sides	8.
Heptagon Regular polygon		all sides congruent and all angles	9.
ruguini porygon		congruent	

Four sided polygons (Quadrilaterals)	Parallelogram, 4 right angles	10.
Word bank:	Exactly one pair of opposite sides parallel	11.
Trapezoid	Opposite sides parallel, opposite sides congruent	12.
Parallelogram	Parallelogram, 4 right angles, 4 congruent sides	13.
Rectangle Rhombus Square	Parallelogram, 4 congruent sides	14.

Shape movement	The movement of a geometric figure	15.
Word bank:	A figures SLIDES from one location to another without changing its size or shape	16.
Transformation Reflection	A figure is TURNED without changing its size or shape	17.
Rotation Translation	A figure is FLIPPED over a line without changing its size or shape	18.

Angle Word bank:	An angle that is exactly 180°	19.
	An angle that is less than 90°	20.
Angle	The point of intersection of two sides of a polygon	21.
Acute angle	An angle that is between 90° and 180°	22.
Right angle Straight angle	An angle that is exactly 90°	23.
Obtuse angle Vertex	A segment that joins two vertices of a polygon but is not a side	24.
Diagonal	A figure formed by two rays that begin at the same point	25.

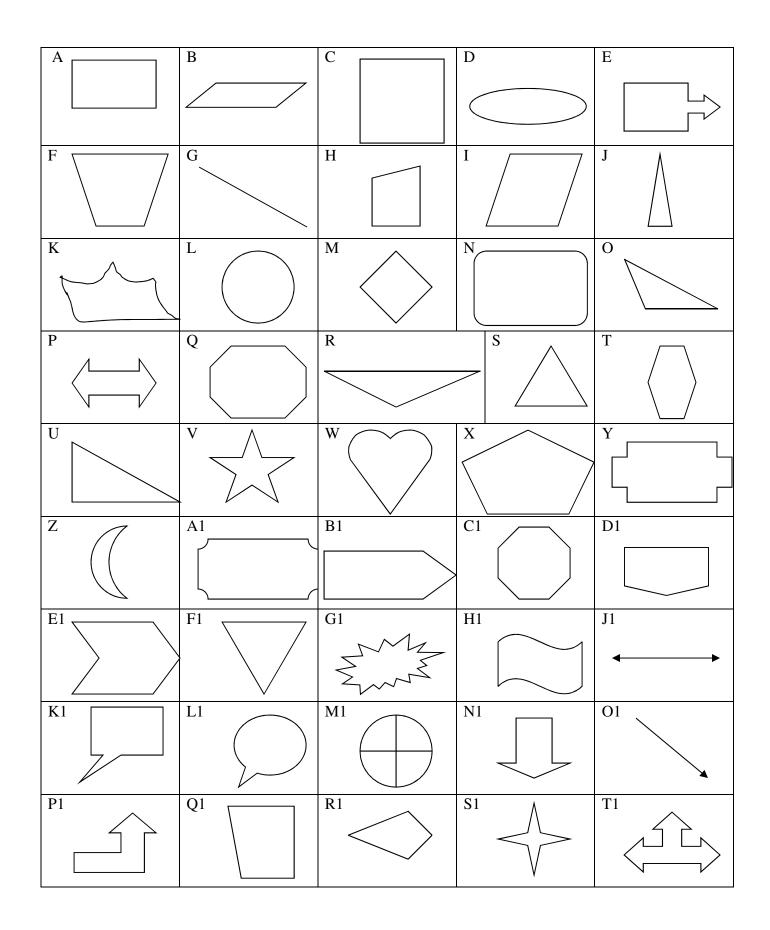
Triangle Word bank:	A triangle with one angle of 90°	26.
	A triangle with all angles less than 90°	27.
Acute triangle	A triangle with no congruent sides	28.
Right triangle Obtuse triangle	A triangle with at least 2 congruent sides	29.
Scalene triangle	A triangle with an angle greater than 90°	30.
Isosceles triangle Equilateral triangle	A triangle with 3 congruent sides	31.

Line	An exact spot in space	32.
Word bank:	A straight path that has one endpoint and extends forever in the opposite direction	33.
Perpendicular line Ray	Lines that cross at a point	34.
Line Intersecting lines	Lines that do not cross no matter how far they are extended	35.
Parallel lines	A straight path between two endpoints	36.
Line segment Point	Lines that cross at 90°	37.
Plane	A thin slice of space extending forever in all directions	38.
	A straight path that extends forever in both directions	39.

Figures/Angles	Angles that add up to 90°	40.
Word bank:	Angles that add up to 180°	41.
Congruent figures	Figures that are the same size and same shape	42.
Similar figures	Figures that are the same shape and may or may not	43.
Line of symmetry	have same size	
Complementary angles	Place where a figure can be folded so that both	44.
Supplementary angles	halves are congruent	

	FREE SPACE	

Polygons	Triangles
Regular polygon	Equilateral triangles
Quadrilaterals	Scalene triangles
Pentagons	Isosceles triangles
Hexagons	Acute triangles
Heptagons	Right triangles
Octagons	Obtuse triangles
Nonagons	Rectangles
Decagons	Squares
Circles	Parallelograms
Ovals	Rhombuses
Lines	Trapezoids
Rays	Line segments



Team Members					

<u>Mission</u>: To find items around the school which demonstrate the geometry vocabulary words we have been studying.

Steps to carry out your mission:

1. You are assigned to a team. Your team **MUST** be together (within sight of each other) at all times. There is enough work so that all members of your team can be actively involved. An example of how to divide up work is shown below:

- A. One person in charge of the camera
- B. One person in charge of vocabulary sheet and marking items as you go along
- C. Two people in charge of locating as many different vocabulary words as possible

D. One person is charge of writing down which picture will go with which vocabulary word (picture number)

2. At a minimum (to earn a passing grade), your team must find at least 2 items from each section on the vocabulary page. Your group must have at least 5 pictures per person. The more items you find and the higher quality your PowerPoint is, the better your grade will be!! Finding words that no other group finds can also add to your total score.

3. **Picture Taking** - Look around the area designated by your teacher for the examples your group has picked. Take pictures once you are sure you have found the best example possible. You may not use the same picture for more than one item. For the easiest placement into PowerPoint take all pictures horizontally. If you finish early, decide how your team is going to divide up the work in the computer lab. You can work individually or in pairs in the computer lab.

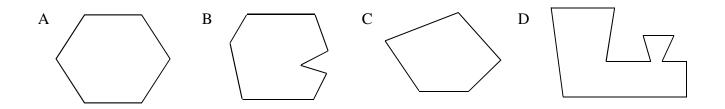
4. Your teacher will place all pictures on the school's server and will tell you how to access them for use in PowerPoint.

5. **PowerPoint Presentation** – Create a PowerPoint presentation of all the vocabulary words you have found. Each word should be on a separate page. The slide title should be the vocabulary word. The slide should also contain the definition. Use arrows or highlights in some way so that everyone can tell exactly which part of the picture represents your vocabulary word. Once each person/pair has completed their section your teacher will help you combine all files into one complete PowerPoint.

6. ONLY add cool fonts, backgrounds, and other "fancy stuff" once your group has one complete presentation. This is not an important part of your grade!!!

How to insert a picture into PowerPoint:

Choose INSERT, then PICTURE, then FROM FILE. Your teacher will tell you how to find the appropriate folder.

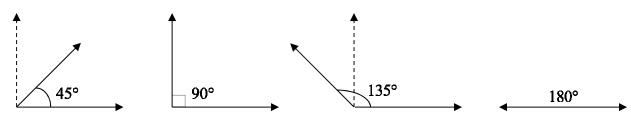


1.	A triangle is a with three sides.
2.	A polygon with four sides and four angles is a
3.	A polygon with five sides and five angles is a
4.	A polygon with six sides and six angles is a
5.	An octagon is a polygon with eight sides and eight
6.	A polygon with ten sides and ten angles is a
7.	In the set of figures above, Figure A is a(n)
8.	Figure B is a(n)
9.	Figure C is a(n)
10.	Figure D is a(n)
11.	The point of intersection of two sides of a polygon is called a
12.	A line segment (not a side) connecting two vertices of a polygon is called a
13.	A polygon with all sides the same length and all angles the same measure is called a polygon.

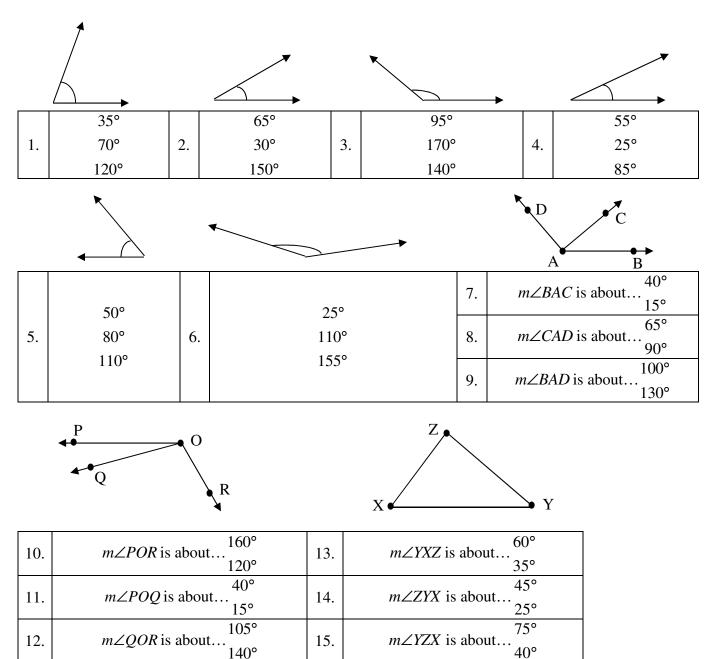
		Sides	Specific shape	Perimeter	Sum of Angles
1	Square		Square		
2	Triangle				
	Made With	Sides	Specific shape	Perimeter	Sum of Angles
3	2 Triangles				
4	2 Triangles				
5	2 Triangles				
6	3 Triangles				
7	3 Triangles				
8	3 Triangles				
9	3 Triangles				
10	4 Triangles				
11	4 Triangles				
12	4 Triangles				
13	4 Triangles				
14	4 Triangles				
15	4 Triangles				
16	4 Triangles				
17	4 Triangles				
18	4 Triangles				
19	4 Triangles				
20	4 Triangles				
21	4 Triangles				
22	4 Triangles				
23 What patt	4 Triangles ern or rule do you n	otice betwee	en the number of side	es on a shape and the	ne sum of the

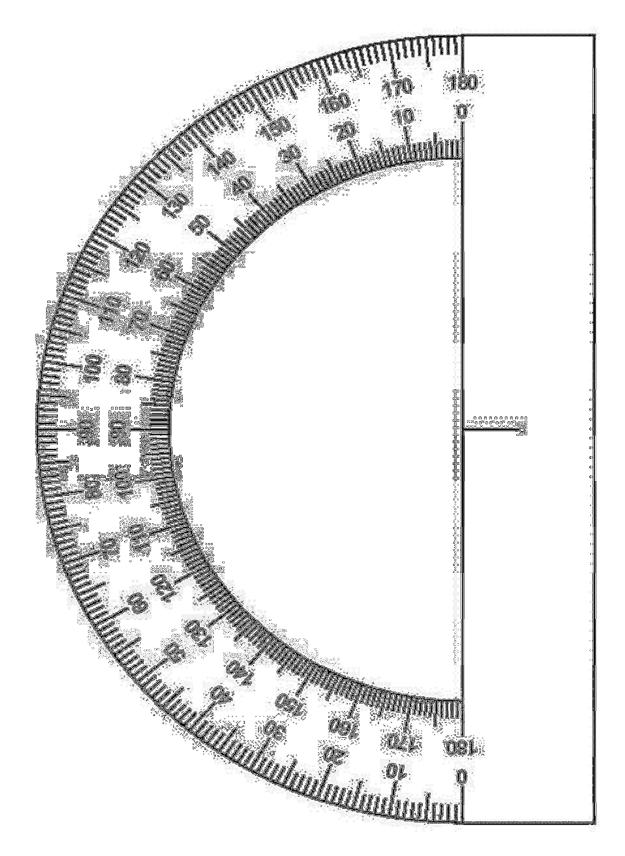
What pattern or rule do you notice between the number of sides on a shape and the sum of the angles?

Reference Angles:



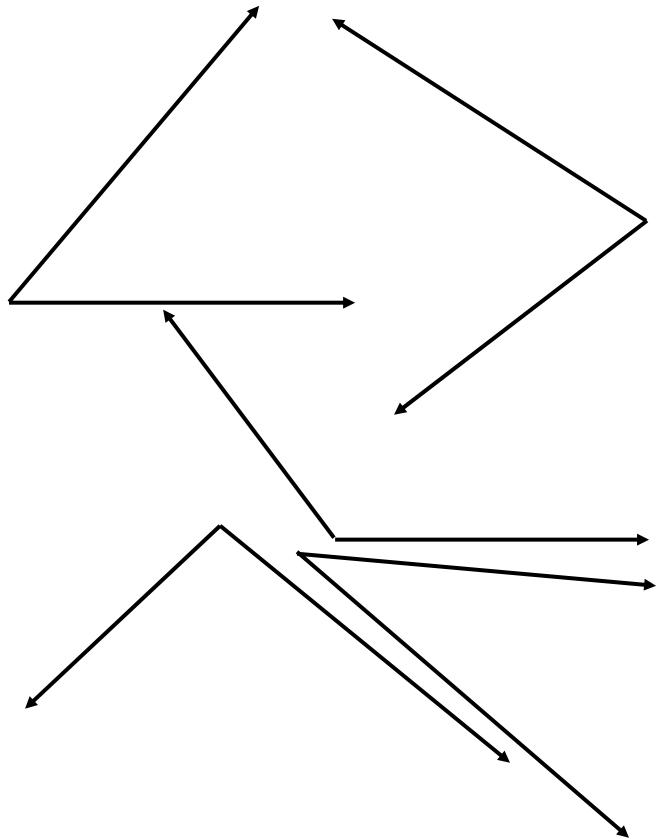
Determine the best estimate for each angle. Circle your answer.





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Measure Angles: Write what type of angle each is and then measure it.



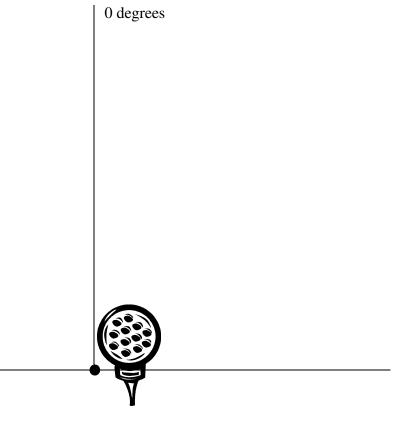
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Draw the following angles using a protractor on a separate sheet of paper.

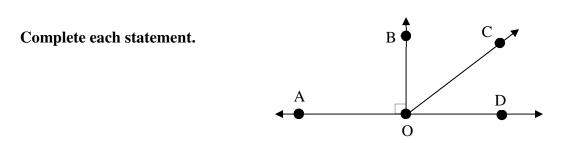
- 1. 43 degree angle
- 2. 116 degree angle
- 3. 135 degree angle
- 4. 20 degree angle
- 5. 165 degree angle

If you play golf, then you know the difference between a 3 iron and a 9 iron. Irons in the game of golf are numbered 1 to 10. The head of each is angled differently for different kinds of shots. The number 1 iron hits the ball farther and lower than a number 2, and so on. Use the table below to draw all the different golf club angles on the line segment below. Please use the 0 degree line as your starting point.

<u> </u>	Ŭ	Č –	7 01
1 iron	15 degrees	6 iron	32 degrees
2 iron	18 degrees	7 iron	36 degrees
3 iron	21 degrees	8 iron	40 degrees
4 iron	25 degrees	9 iron	45 degrees
5 iron	28 degrees	Pitching wedge	50 degrees



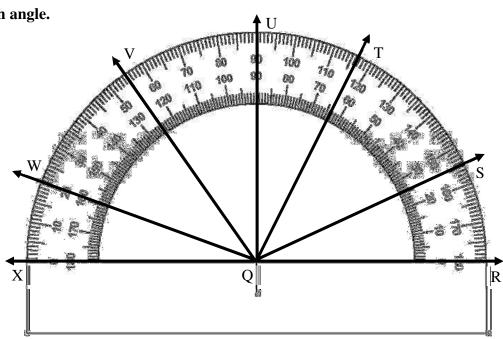
90 degrees



1.	The figure formed by two rays from the same endpoint is an	
2.	The intersection of the two sides of an angle is called its	
3.	The vertex of $\angle COD$ in the drawing above is point	
4.	The instrument used to measure angles is called a	
5.	The basic unit in which angles are measured is the	
6.	$\angle AOB$ has a measure of 90° and is called a angle.	
7.	An angle whose measure is between 0° and 90° is an angle.	
8.	Two acute angles in the figure are $\angle BOC$ and	
9.	An angle whose measure is between 90° and 180° is an angle.	
10.	An obtuse angle in the figure is	

Give the measure of each angle.

11	$\angle RQS$	
12	$\angle RQT$	
13	$\angle RQU$	
14	$\angle RQV$	
15	$\angle RQW$	
16	$\angle XQW$	
17	$\angle XQT$	
18	$\angle UQV$	
19	$\angle VQT$	
20	$\angle WQS$	



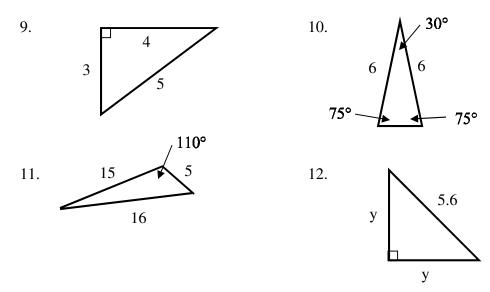
Cla	Classify the triangles as right, acute, or obtuse, given the three angles.					
1.	40°,30°,110°	2.	2.	60°, 30°, 90°		
3.	50°, 60°, 70°	4.		90°, 46°, 44°		

Classify the triangles as right, acute, or obtuse, given the three angles.

Classify each triangle as equilateral, isosceles, or scalene, given the lengths of the three sides.

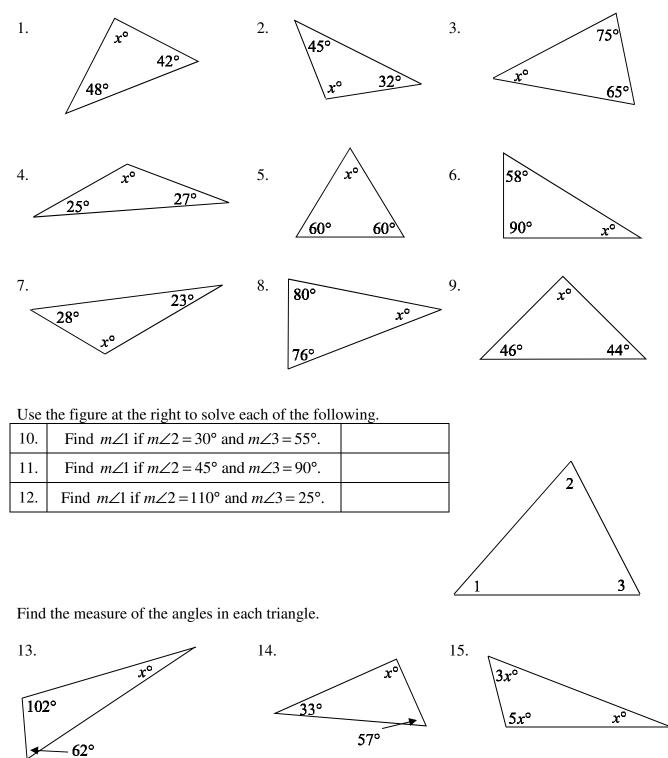
5.	3 cm, 5 cm, 3 cm	6.).	50 m, 50 m, 50 m	
7.	2 ft, 5 ft, 6 ft	8.	3.	4 m, 4m, 6m	

Give all possible names for the triangle (for example, right isosceles).



Write the name of each quadrilateral. Choose from the following names: trapezoid, parallelogram, rhombus, rectangle, and square. Some objects may have more than one name.

13.	14.	15.	16.
17.	18.	19.	20.



Find the value of *x*. Then classify each triangle as acute, right, or obtuse.

Draw each of the following types of triangles.

1. Acute and scalene

3. Acute and equilateral

- 2. Acute and isosceles
- 4. Right and scalene

5. Right and isosceles

6. Obtuse and scalene

7. Obtuse and isosceles

Find the measure of the missing angle in each triangle and the sum of the angles.

	Angle 1	Angle 2	Angle 3	Sum of angles
8.	100°	50°		
9.		60°	60°	
10.	10°		90°	
11.	171°	4°		
12.		57°	44°	
13.	106°		38°	
14.	37°	37°		
15.		45°	45°	

1.	All	Some	No	rectangles are parallelograms.
2.	All	Some	No	parallelograms are squares.
3.	All	Some	No	squares are rhombi.
4.	All	Some	No	rhombi are parallelograms.
5.	All	Some	No	trapezoids are rectangles.
6.	All	Some	No	quadrilaterals are squares.
8.	All	Some	No	parallelograms are trapezoids.
9.	All	Some	No	rectangles are rhombi.
10.	All	Some	No	squares are rectangles.
11.	All	Some	No	rectangles are squares.
12.	All	Some	No	squares are quadrilaterals.
13.	All	Some	No	quadrilaterals are rectangles.
14.	All	Some	No	parallelograms are rectangles.
15.	All	Some	No	rectangles are quadrilaterals.
16.	All	Some	No	rhombi are quadrilaterals.
18.	All	Some	No	parallelogram are rhombi.
19.	All	Some	No	squares are parallelograms.
20.	All	Some	No	quadrilaterals are parallelograms.
21.	All	Some	No	parallelograms are quadrilaterals.
22.	All	Some	No	trapezoids are quadrilaterals.

Choose ALL, SOME, or NO

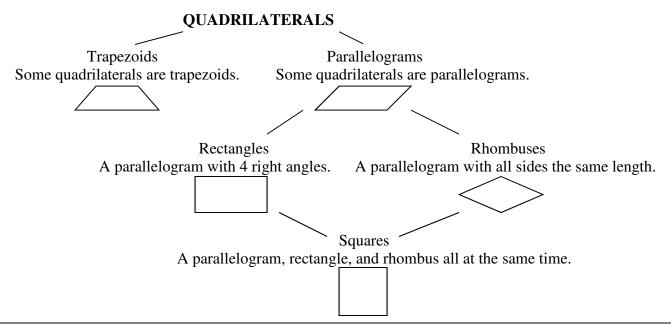
Solve each riddle.

1.4	I am a quadrilateral with two pairs of parallel sides and four sides of the	
14.	I am a quadrilateral with two pairs of parallel sides and four sides of the same length. All of my angles are the same measure, too. What am I?	
15.	I am a quadrilateral with two pairs of parallel sides. All of my angles are the same measure, but my sides are not all the same length. What am I?	
16.	I am a quadrilateral with exactly one pair of parallel sides. What am I?	
17.	I am a quadrilateral with two pairs of parallel sides. What am I?	

Answer the following on a separate sheet of paper.

22.	Evan said, "Every rectangle is a square." Joan said, "No, you are wrong. Every square is a rectangle." Who is right? Explain your answer on your graph paper.		
24.	How are a square and a rectangle different?		
25.	How are a parallelogram and a rhombus different?		
26.	5. How are a square and rhombus alike?		
27.	How is a trapezoid different from the other special quadrilaterals?		

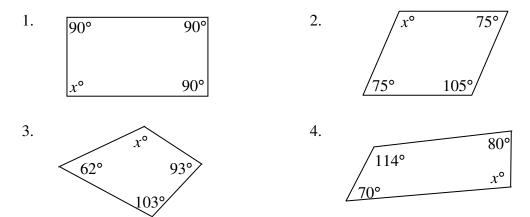
All four sided figures are quadrilaterals.



List all the names that apply to each quadrilateral. Choose from *parallelogram*, *rectangle*, *rhombus*, *square*, and *trapezoid*.

	i i					
1.			2.			
3.			4.			
5.			6.			
7.			8.			
9.	\bigcirc		10.	\bigcirc		
11.	All trapezoids are parallelograms (T or F).					
12.	All quadrilaterals are trapezoids.					
13.	All parallelograms are trapezoids.					
14.	All squares are trapezoids.					
15.	All quadrilaterals are parallelograms.					
16.	Every rhombus is a tr	apezoid.				

Find the value of x.



Write an equation to find *x* and then find all the missing angles.

5.	A trapezoid with angles 115°, 65°, 55°, and x° .		
6.	A quadrilateral with angles 104°, 60°, 140°, and x° .		
7.	A parallelogram with angles 70°, 110°, $(x+40)^\circ$, and x° .		
8.	A quadrilateral with angles x° , $2x^{\circ}$, $3x^{\circ}$, and $4x^{\circ}$.		
9.	A quadrilateral with angles $(x+30)^\circ$, $(x-55)^\circ$, x° , and $(x-45)^\circ$.		
10.	Which of the following could be the angle measures in a parallelogram (all numbers are in degrees): a) 19, 84, 84, 173 b) 24, 92, 92, 152 c) 33, 79, 102, 146 d) 49, 49, 131, 131		

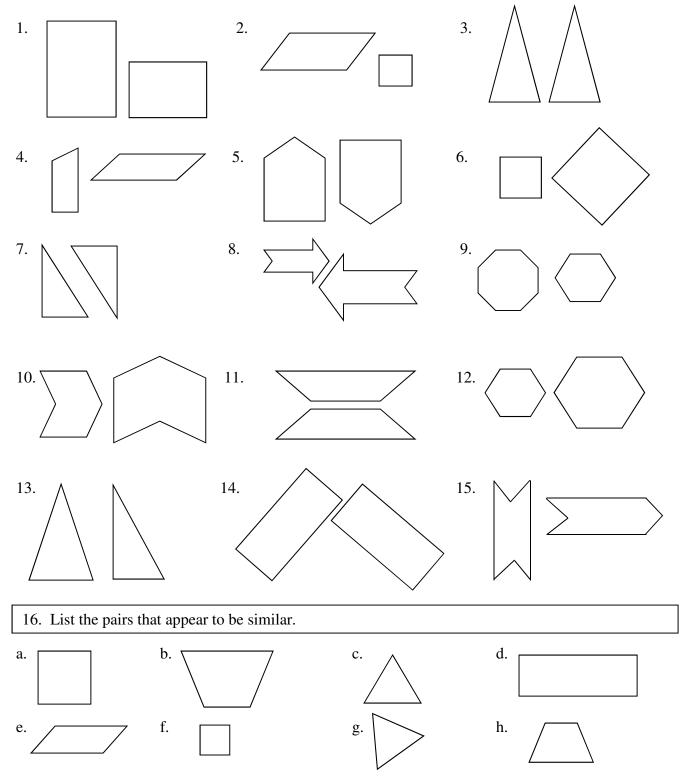
For any polygon with *n* sides, the following formula can be used to calculate the sum of the angles: 180(n-2)

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

11.	quadrilateral	12.	pentagon	 13.	octagon	
14.	12-gon	15.	18-gon	16.	30-gon	
17.	75-gon	18.	100-gon			

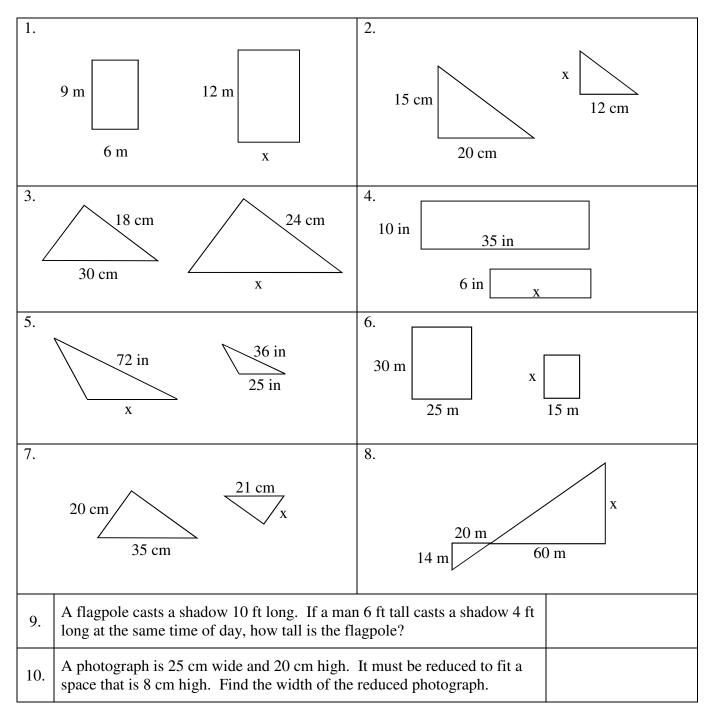
Figures that have the same size and shape are **congruent figures**. Figures that have the same shape but may be different sizes are **similar figures**. The symbol \cong means "is congruent to." The symbol ~ means "is similar to."

Tell whether each pair of polygons is congruent, similar, or neither. Use the correct symbol.

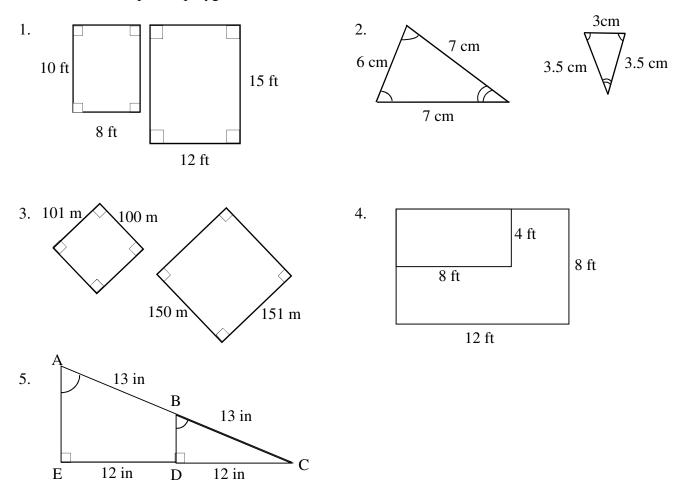


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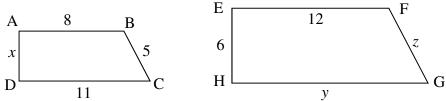
For each pair of similar figures write a proportion and use the proportion to find the length of x. Use a separate sheet of paper.



Tell whether each pair of polygons is similar.

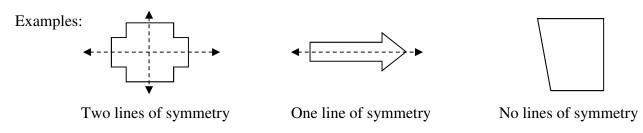


In the figure below, trapezoid ABCD \sim trapezoid EFGH. Use this information to answer the following questions.

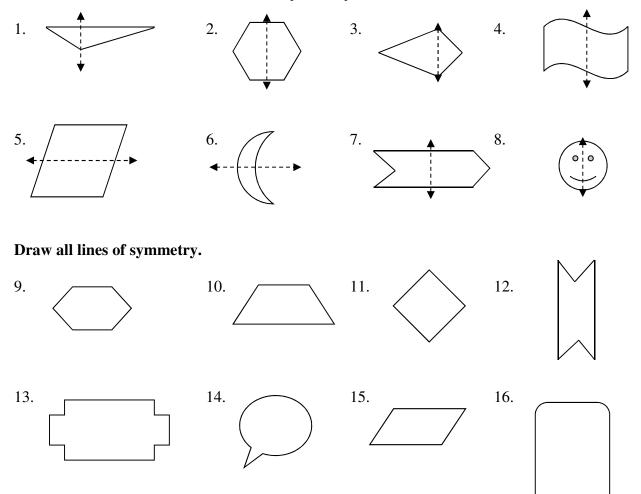


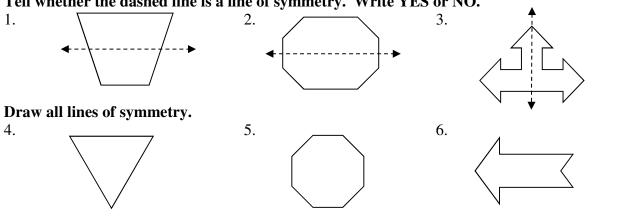
6.	List all the pairs of corresponding angles.		
7.	7. Write four ratios relating the corresponding angles.		
8.	Write a proportion to find the missing measure <i>x</i> . Then find the value of <i>x</i> .		
9.	Write a proportion to find the missing measure <i>y</i> . Then find the value of <i>y</i> .		
10.	Write a proportion to find the missing measure z . Then find the value of z .		

If a figure can be folded in half so that the two halves match exactly, the figure has a **line of symmetry**.



Tell whether the dashed line is a line of symmetry. Write YES or NO.

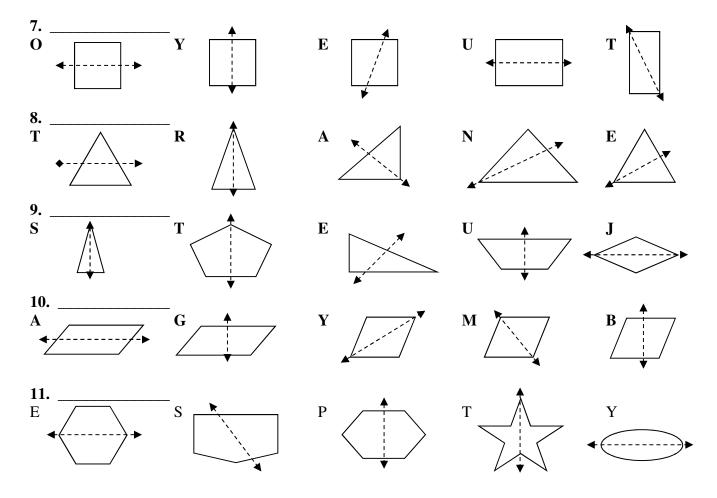




Tell whether the dashed line is a line of symmetry. Write YES or NO.

"WHAT DID THE SECRETARY SAY TO HER BOYFRIEND?"

For each exercise, circle the letter of each figure that is divided by a line of symmetry. Arrange these letters to form a word. Then write this word on the line next to the exercise number.



Use these letters in answering the questions below.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Complete the following table.

Lines of Symmetry	Letters of the alphabet
only one line	
only two lines	
more than two lines	
no lines	

Complete the table below by determining the experimental probability (that means the probability based on the real data below) that a student in Mrs. Greenwood's class has a first name beginning with a letter with a certain number of lines of symmetry.

Mrs. Greenwood's Class					
Ashley	Elizabeth	Isaac	Laura	Octavia	Terrence
Belita	Evan	Jermaine	Melvin	Ormond	Vanessa
Cory	Hanna	Kamara	Myuko	Pierre	William
Denzel	Henry	Kyle	Nancy	Sandy	Xavier

Lines of Symmetry	Probability
only one line	
only two lines	
more than two lines	
no lines	

Think of a word at least three letters long that has a line of symmetry. Write the word and draw the line of symmetry. The longest word wins!



AMBIGRAMS

A graphic artist named John Langdon began to experiment in the 1970s with a special way to write words as ambigrams. Look at all the examples below and see if you can determine what an ambigram is.

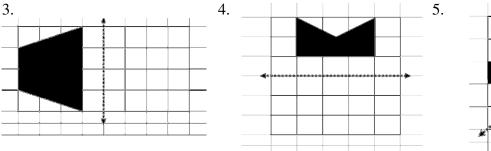


Activity 9-24: Transformations

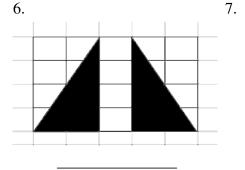
Name:

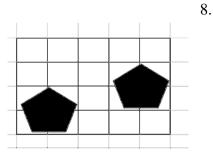
1./2	1./2. Draw two translations of each shape.																			

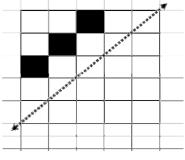
Draw the reflection of each shape. Use the dashed line as the line of reflection.

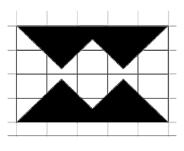


Tell whether each shows a translation or a reflection.



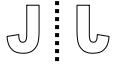




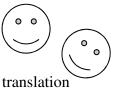


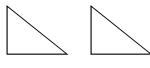
Are the shapes of each of the following rotations the shape at the right? Yes or no. 9. 10. 11. 12.

Read the label and write true or false. If it is false, name the correct transformation.



13._____





reflection

14.____

rotation

15._____

Created by Lance Mangham, 6th grade teacher, Carroll ISD

SIDES	NAME	SIDES	NAME
1	monogon	21	icosikaihenagon
2	digon	22	icosikaidigon
3	trigon or triangle	23	icosikaitrigon
4	tetragon or quadrilateral	24	icosikaitetragon
5	pentagon	25	icosikaipentagon
6	hexagon	26	icosikaihexagon
7	heptagon or septagon	27	icosikaiheptagon
8	octagon	28	icosikaioctagon
9	enneagon or nonagon	29	icosikaienneagon
10	decagon	30	triacontagon
11	hendecagon	31	tricontakaihenagon
12	dodecagon	40	tetracontagon
13	triskaidecagon	41	tetracontakaihenagon
14	tetrakaidecagon or tetradecagon	50	pentacontagon
15	pentakaidecagon or pentadecagon	60	hexacontagon
16	hexakaidecagon or hexadecagon	70	heptacontagon
17	heptakaidecagon	80	octacontagon
18	octakaidecagon	90	enneacontagon
19	enneakaidecagon	100	hectogon or hecatontagon
20	icosagon	1000	myriagon

The word "gon" is derived from the Greek word "gonu". Gonu means "knee", which transferred to the word "angle" in English.

There is a difference between education and experience. Education is what you get from reading the small print. Experience is what you get from not reading it!

But isn't it true that great learning comes from both education and experience? Let me tell you a parable:

A young school teacher had a dream that an angel appeared to him and said, "You will be given a child who will grow up to become a world leader. How will you prepare her so that she will realize her intelligence, grow in confidence, develop both her assertiveness and sensitivity, be open-minded, yet strong in character? In short, what kind of education will you provide that she can become one of the world's truly GREAT leaders?"

The young teacher awoke in a cold sweat. It had never occurred to him before -- any ONE of his present or future students could be the person described in his dream. Was he preparing them to rise to ANY POSITION to which they may aspire? He thought, 'How might my teaching change if I KNEW that one of my students were this person?' He gradually began to formulate a plan in his mind.

This student would need experience as well as instruction. She would need to know how to solve problems of various kinds. She would need to grow in character as well as knowledge. She would need self-assurance as well as the ability to listen well and work with others. She would need to understand and appreciate the past, yet feel optimistic about the future. She would need to know the value of lifelong learning in order to keep a curious and active mind. She would need to grow in understanding of others and become a student of the spirit. She would need to set high standards for herself and learn self discipline, yet she would also need love and encouragement, that she might be filled with love and goodness.

His teaching changed. Every young person who walked through his classroom became, for him, a future world leader. He saw each one, not as they were, but as they could be. He expected the best from his students, yet tempered it with compassion. He taught each one as if the future of the world depended on his instruction.

After many years, a woman he knew rose to a position of world prominence. He realized that she must surely have been the girl described in his dream. Only she was not one of his students, but rather his daughter. For of all the various teachers in her life, her father was the best.

I've heard it said that "Children are living messages we send to a time and place we will never see." But this isn't simply a parable about an unnamed school teacher. It is a parable about you and me -- whether or not we are parents or even teachers. And the story, OUR story, actually begins like this:

"You will be given a child who will grow up to become...." You finish the sentence. If not a world leader, then a superb father? An excellent teacher? A gifted healer? An innovative problem solver? An inspiring artist? A generous philanthropist?

Where and how you will encounter this child is a mystery. But believe that one child's future may depend upon influence only you can provide, and something remarkable will happen. For no young person will ever be ordinary to you again. And you will never be the same.