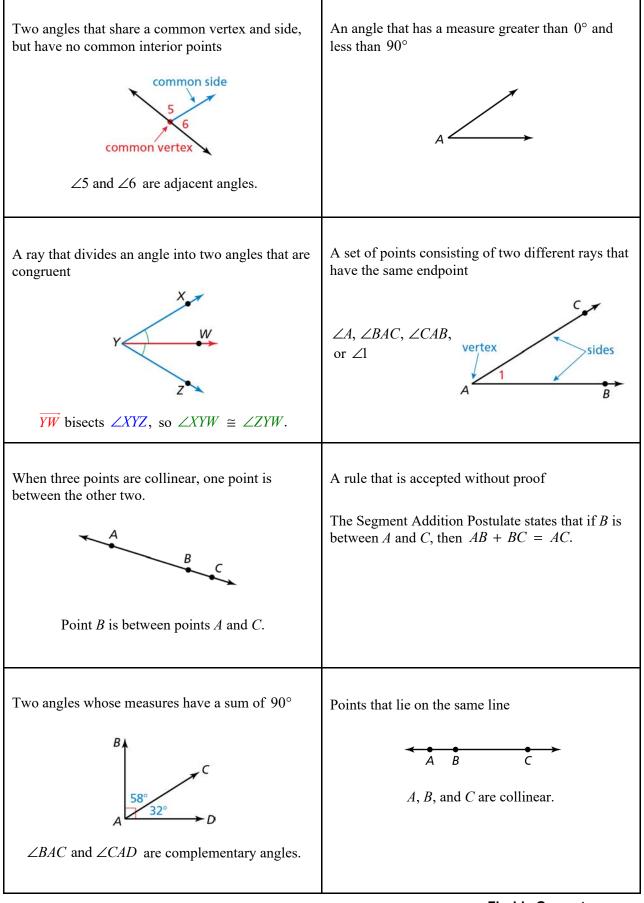
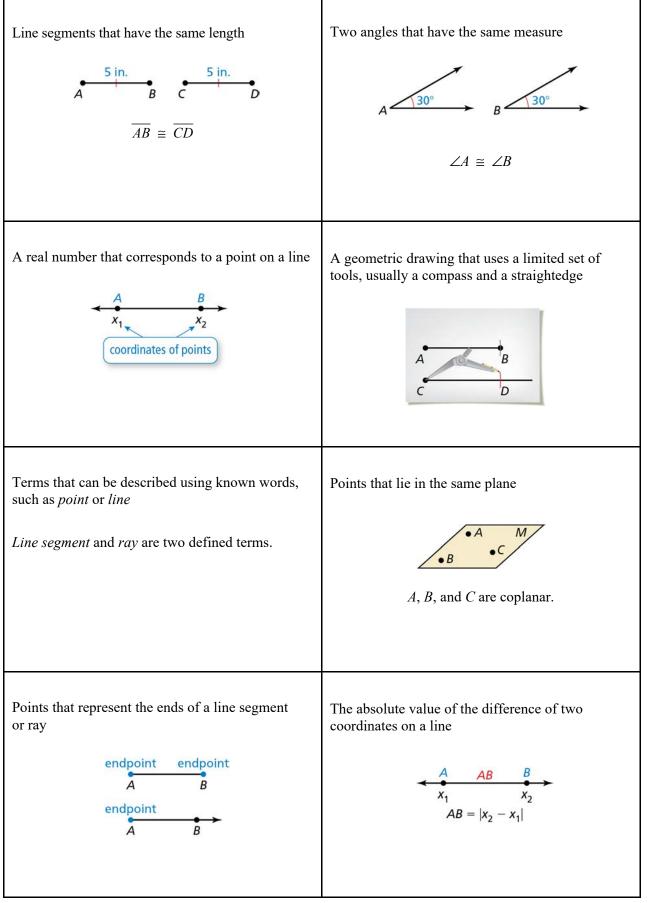
acute angle	adjacent angles
Chapter 1	Chapter 1
angle	angle bisector
Chapter 1	Chapter 1
axiom	between
Chapter 1	Chapter 1
collinear points	complementary angles
Chapter 1	Chapter 1

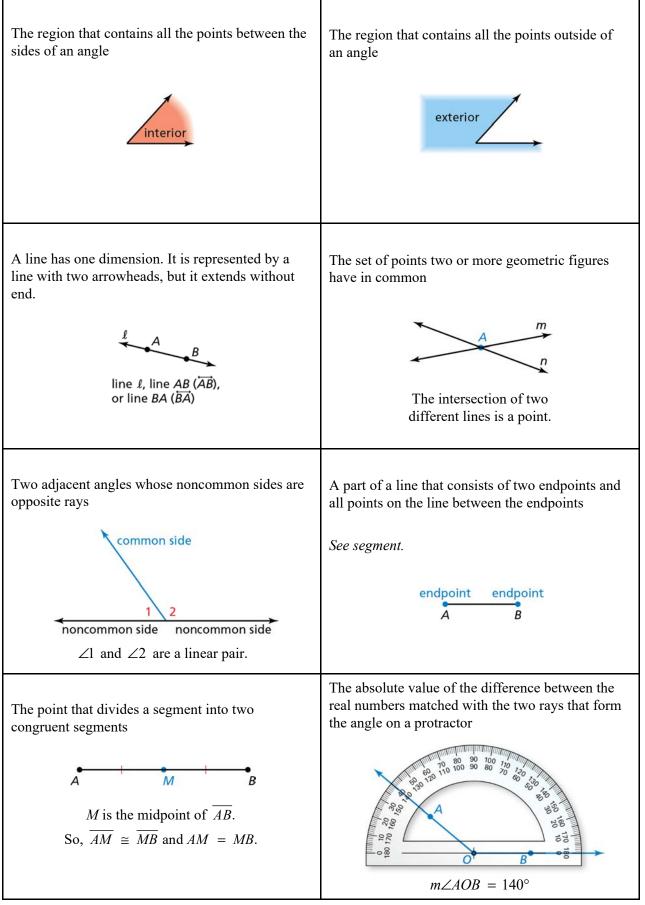


congruent angles	congruent segments
Chapter 1	Chapter 1
construction	coordinate
Chapter 1	Chapter 1
coplanar points	defined terms
Chapter 1	Chapter 1
distance between two points Chapter 1	endpoints Chapter 1



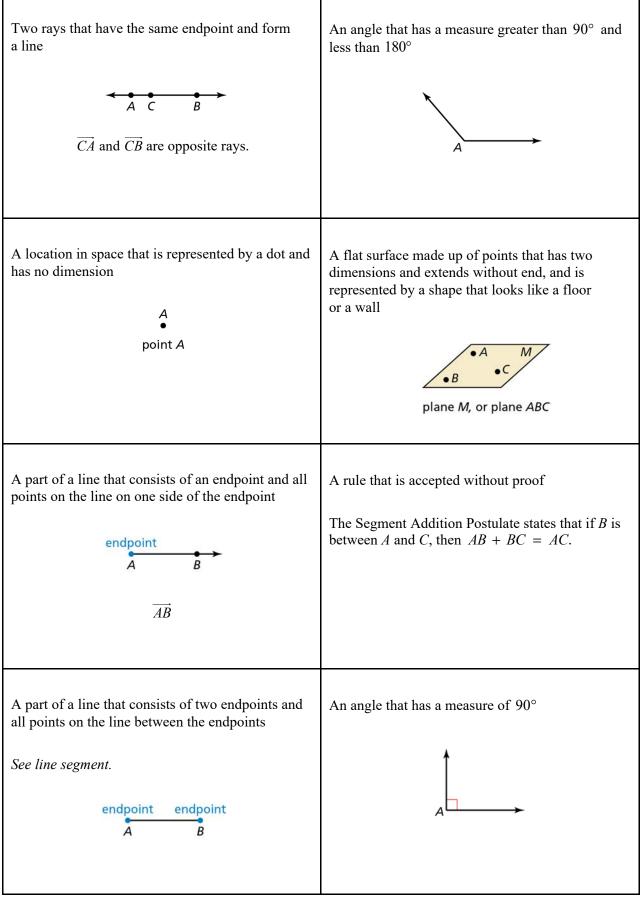
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exterior of an angle	interior of an angle
Chapter 1	Chapter 1
intersection	line
Chapter 1	Chapter 1
line segment	linear pair
Chapter 1	Chapter 1
measure of an angle	midpoint
Chapter 1	Chapter 1



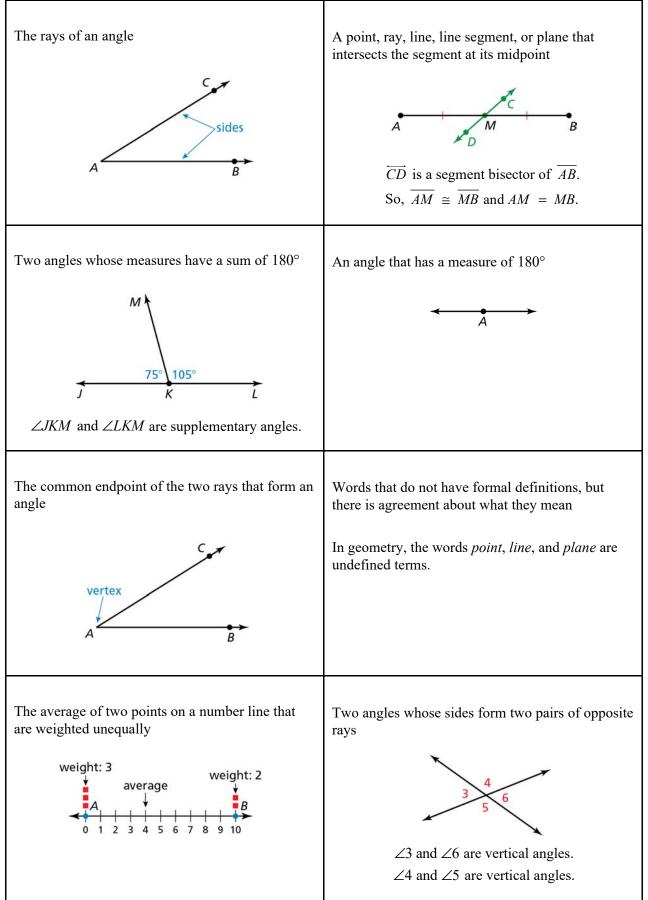
Florida Geometry

obtuse angle		opposite rays	
	Chapter 1		Chapter 1
plane		point	
	Chapter 1		Chapter 1
postulate		ray	
	Chapter 1		Chapter 1
right angle		segment	
	Chapter 1		Chapter 1



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segment bisector	sides of an angle
Chapter 1	Chapter 1
straight angle	supplementary angles
Chapter 1	Chapter 1
undefined terms	vertex of an angle
Chapter 1	Chapter 1
vertical angles	weighted average
Chapter 1	Chapter 1



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Florida Geometry

biconditional statement	conclusion
Chapter 2	<i>Chapter 2</i>
conditional statement	conjecture
Chapter 2	Chapter 2
contrapositive	CONVERSE
Chapter 2	Chapter 2
counterexample	deductive reasoning
Chapter 2	Chapter 2

The "then" part of a conditional statement written	A statement that contains the phrase "if and only
in if-then form	if"
If you are in Houston, then you are in Texas.	Two lines intersect to form a right angle if and
hypothesis, p conclusion, q	only if they are perpendicular lines.
An unproven statement that is based on observations Conjecture: The sum of any three consecutive integers is three times the second number.	A logical statement that has a hypothesis and a conclusion If you are in Houston, then you are in Texas. hypothesis, p conclusion, q
The statement formed by exchanging the	The statement formed by negating both the
hypothesis and conclusion of a conditional	hypothesis and conclusion of the converse of a
statement	conditional statement
Statement: If you are a guitar player, then you are	Statement: If you are a guitar player, then you are
a musician.	a musician.
Converse: If you are a musician, then you are a	Contrapositive: If you are not a musician, then you
guitar player.	are not a guitar player.
A process that uses facts, definitions, accepted	A specific case for which a conjecture is false
properties, and the laws of logic to form a logical	Conjecture: The sum of two numbers is always
argument	more than the greater number.
You use deductive reasoning to write geometric	Counterexample: $-2 + (-3) = -5$
proofs.	$-5 \not> -2$

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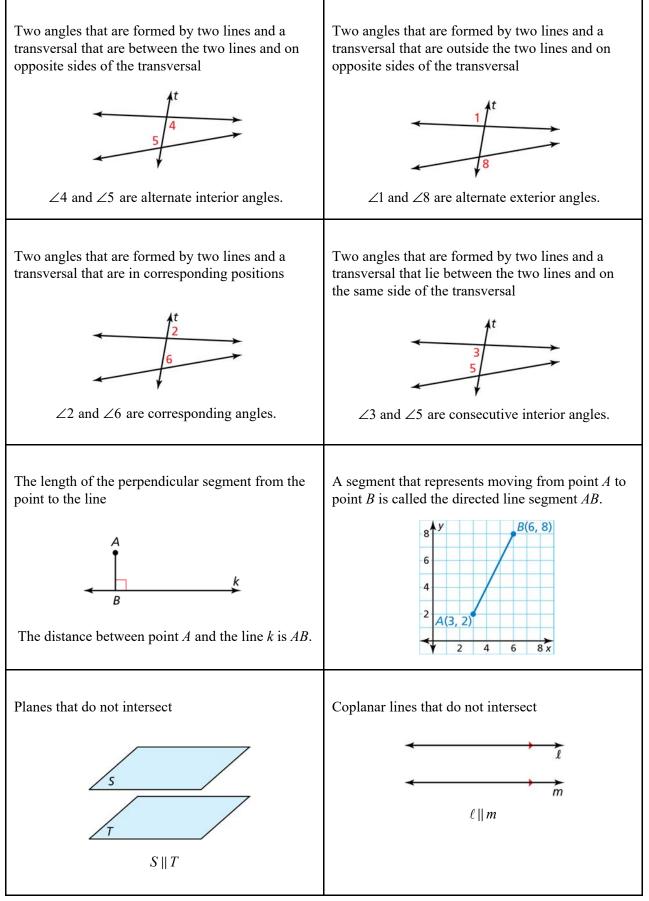
equivalent statements	flowchart proof (flow proof)
Chapter 2	Chapter 2
hypothesis	if-then form
Chapter 2	Chapter 2
inductive reasoning	inverse
Chapter 2	Chapter 2
line perpendicular to a plane	narrative proof
Chapter 2	Chapter 2

A type of proof that uses boxes and arrows to show the flow of a logical argument	Two related conditional statements that are both true or both false A conditional statement and its contrapositive are equivalent statements
A conditional statement in the form "if p , then q ", where the "if" part contains the hypothesis and the "then" part contains the conclusion If you are in Houston, then you are in Texas. hypothesis, p conclusion, q	The "if" part of a conditional statement written in if-then form If you are in Houston, then you are in Texas. hypothesis, p conclusion, q
The statement formed by negating both the hypothesis and conclusion of a conditional statement Statement: If you are a guitar player, then you are a musician. Inverse: If you are not a guitar player, then you are not a musician.	A process that includes looking for patterns and making conjectures Given the number pattern 1, 5, 9, 13,, you can use inductive reasoning to determine that the next number in the pattern is 17.
A style of proof that presents the statements and reasons as sentences in a paragraph, using words to explain the logical flow of an argument <i>See paragraph proof.</i>	A line that intersects the plane in a point and is perpendicular to every line in the plane that intersects it at that point t t d d d Line <i>t</i> is perpendicular to plane <i>P</i> .

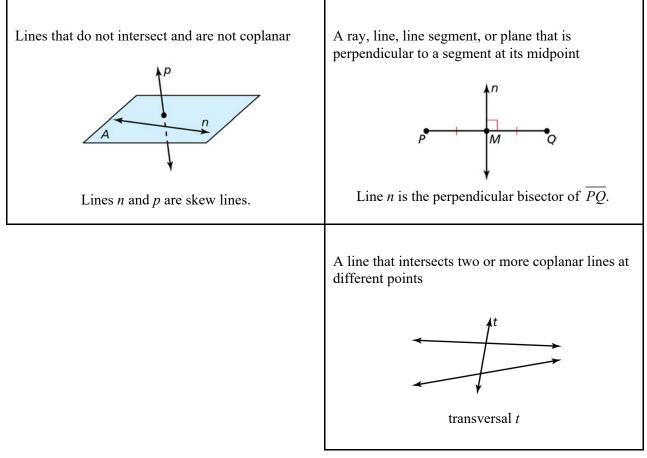
negation	paragraph proof
Chapter 2	Chapter 2
perpendicular lines	proof
Chapter 2	Chapter 2
theorem	two-column proof
Chapter 2	Chapter 2

A style of proof that presents the statements and reasons as sentences in a paragraph, using words to explain the logical flow of an argument <i>See narrative proof.</i>	The opposite of a statement If a statement is p , then the negation is "not p ," written $\sim p$. Statement: The ball is red. Negation: The ball is <i>not</i> red.
A logical argument that uses deductive reasoning to show that a statement is true	Two lines that intersect to form a right angle 1
A type of proof that has numbered statements and corresponding reasons that show an argument in a logical order	A statement that can be proven Vertical angles are congruent.

alternate exterior angles	alternate interior angles
Chapter 3	Chapter 3
consecutive interior angles	corresponding angles
Chapter 3	Chapter 3
directed line segment Chapter 3	distance from a point to a line Chapter 3
parallel lines	parallel planes
Chapter 3	Chapter 3

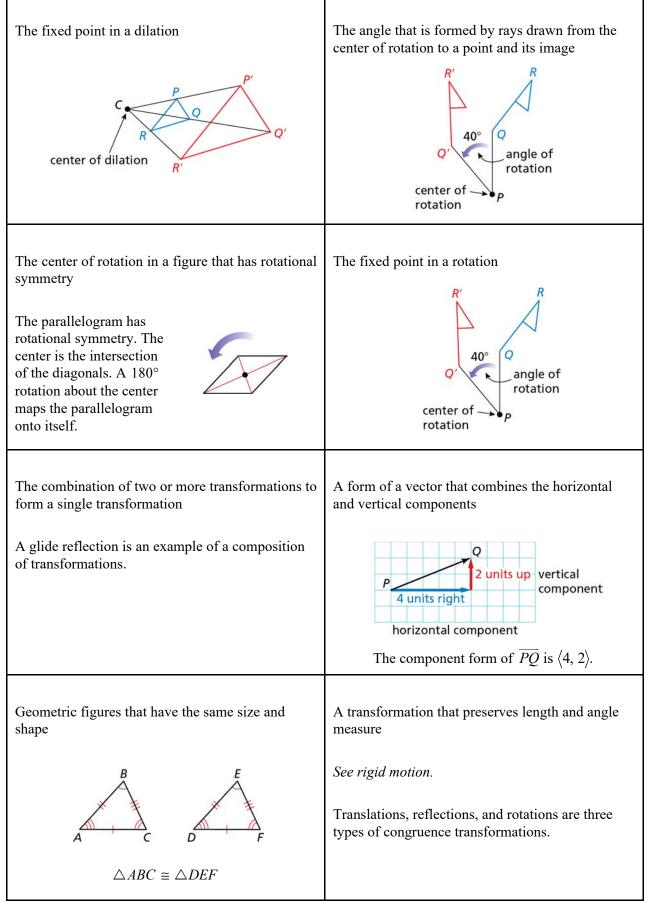


perpendicular bisector	skew lines
Chapter 3	Chapter 3
transversal Chapter 3	

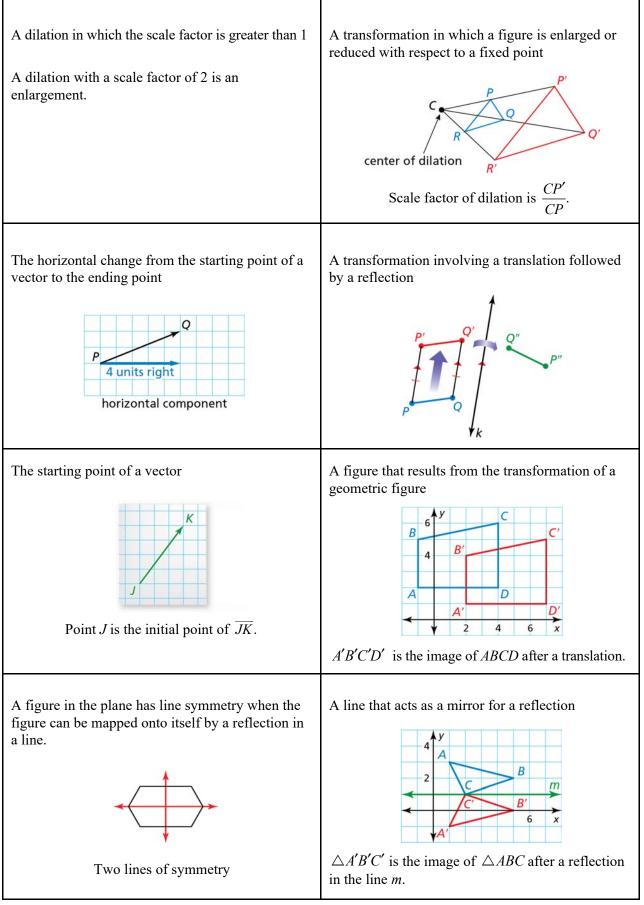


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angle of rotation	center of dilation
Chapter 4	Chapter 4
center of rotation	center of symmetry
Chapter 4	Chapter 4
component form Chapter 4	composition of transformations Chapter 4
congruence transformation	congruent figures
Chapter 4	Chapter 4



dilation	enlargement
Chapter 4	Chapter 4
glide reflection	horizontal component
Chapter 4	Chapter 4
image	initial point
Chapter 4	Chapter 4
line of reflection	line symmetry
Chapter 4	Chapter 4



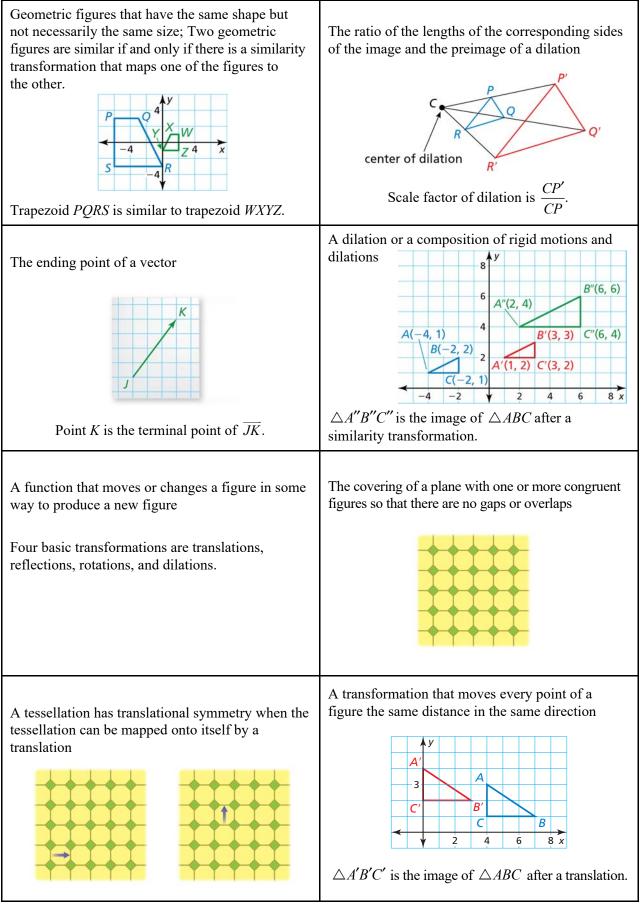
line of symmetry	order of rotational symmetry
Chapter	r 4 Chapter 4
preimage	reduction
Chapter	r 4 Chapter 4
reflection	rigid motion
Chapter	r 4 Chapter 4
rotation	rotational symmetry
Chapter	r 4 Chapter 4

The number of times a figure can be mapped onto itself in one 360° rotation about the center of the figure	A line of reflection that maps a figure onto itself
A dilation in which the scale factor is greater than 0 and less than 1 A dilation with a scale factor of $\frac{1}{2}$ is a reduction.	The original figure before a transformation $ \begin{array}{c} B \\ B \\ $
A transformation that preserves length and angle measure See congruence transformation. Translations, reflections, and rotations are three types of rigid motions.	A transformation that uses a line like a mirror to reflect a figure $ \begin{array}{c} $
A figure has rotational symmetry when the figure can be mapped onto itself by a rotation of 180° or less about the center of the figure. The parallelogram has rotational symmetry. The center is the intersection of the diagonals. A 180° rotation about the center maps the parallelogram onto itself.	A transformation in which a figure is turned about a fixed point $R' \qquad R' \qquad$

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Florida Geometry

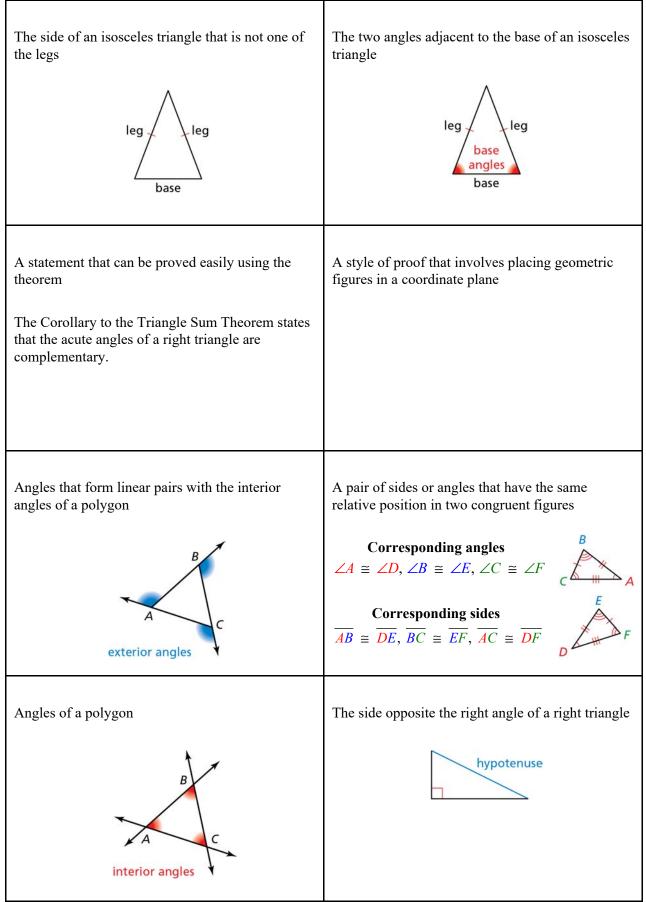
scale factor	similar figures
Chapter 4	Chapter 4
similarity transformation	terminal point Chapter 4
tessellation	transformation
Chapter 4	Chapter 4
translation	translational symmetry
Chapter 4	Chapter 4



vector	vertical component
Chapter 4	Chapter 4

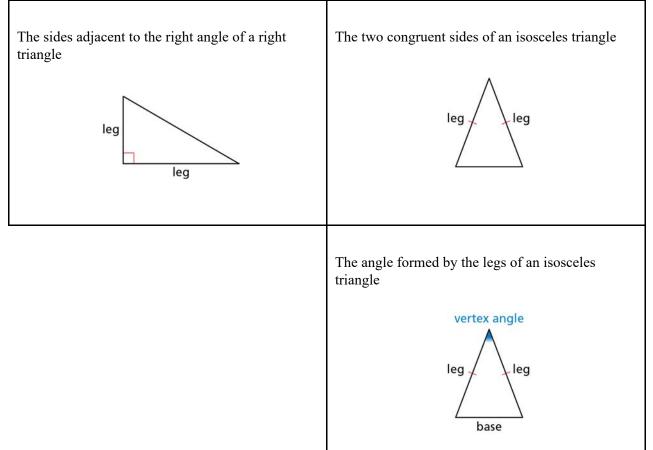
base angles of an isosceles triangle	base of an isosceles triangle
Chapter 5	Chapter 5
coordinate proof	corollary to a theorem
Chapter 5	Chapter 5
corresponding parts	exterior angles
Chapter 5	Chapter 5
hypotenuse	interior angles
Chapter 5	Chapter 5

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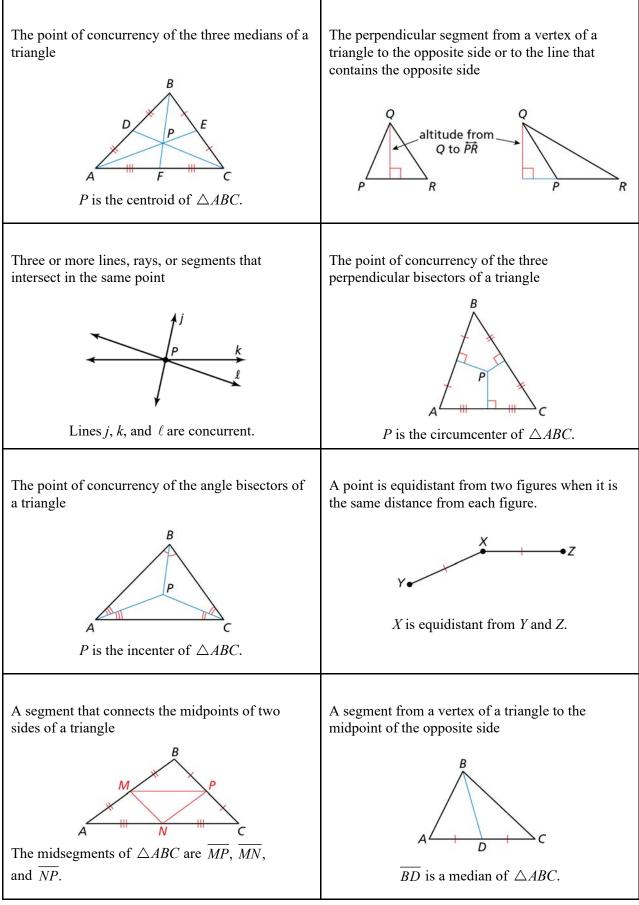


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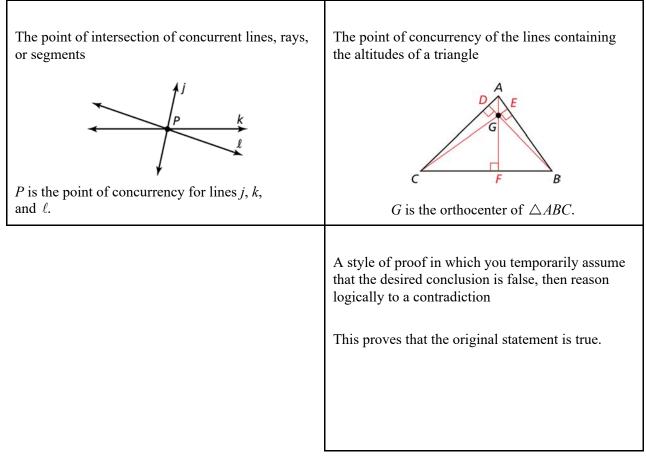
legs of an isosceles triangle	legs of a right triangle
Chapter 5	Chapter 5
vertex angle Chapter 5	



altitude of a triangle	centroid
Chapter 6	Chapter 6
circumcenter	concurrent
Chapter 6	Chapter 6
equidistant	incenter
Chapter 6	Chapter 6
median of a triangle	midsegment of a triangle
Chapter 6	Chapter 6

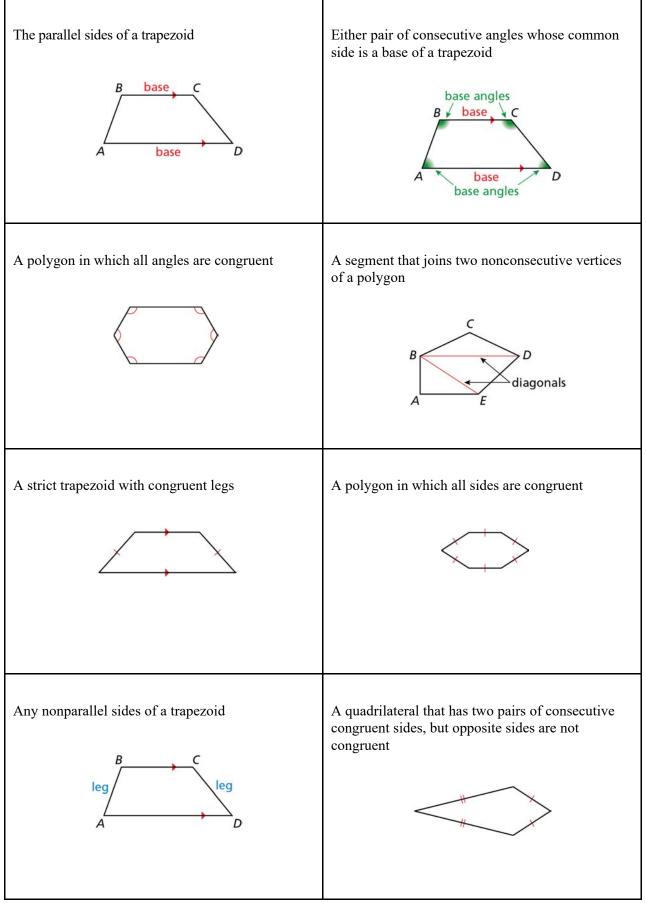


orthocenter	point of concurrency
Chapter 6	Chapter 6
proof by contradiction Chapter 6	



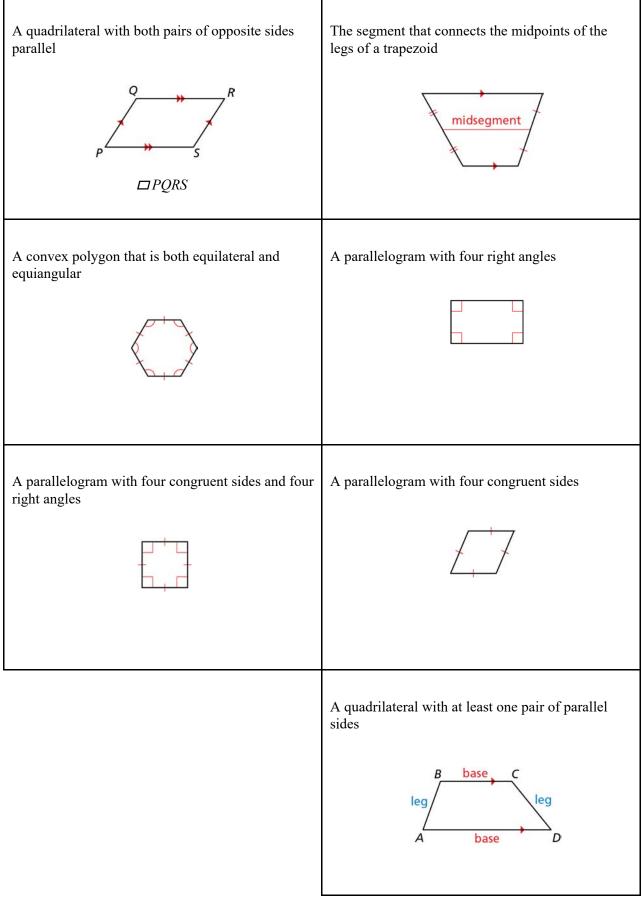
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base angles of a trapezoid	bases of a trapezoid
Chapter 7	<i>Chapter 7</i>
diagonal	equiangular polygon
Chapter 7	Chapter 7
equilateral polygon	isosceles trapezoid
Chapter 7	Chapter 7
kite	legs of a trapezoid
Chapter 7	Chapter 7



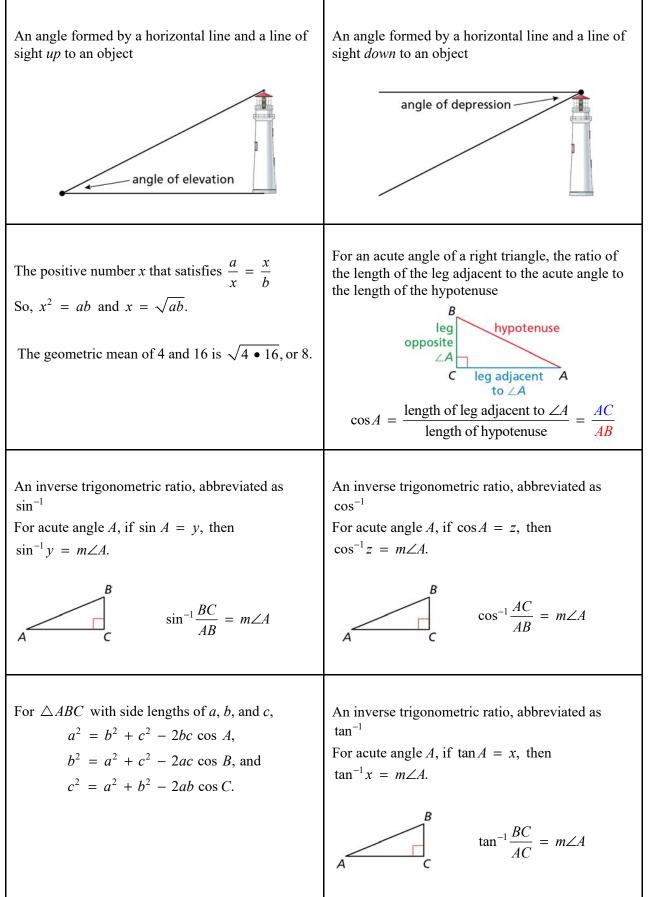
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midsegment of a tra	pezoid Chapter 7	parallelogram Chapter 7
rectangle	Chapter 7	regular polygon Chapter 7
rhombus	Chapter 7	Square Chapter 7
trapezoid	Chapter 7	

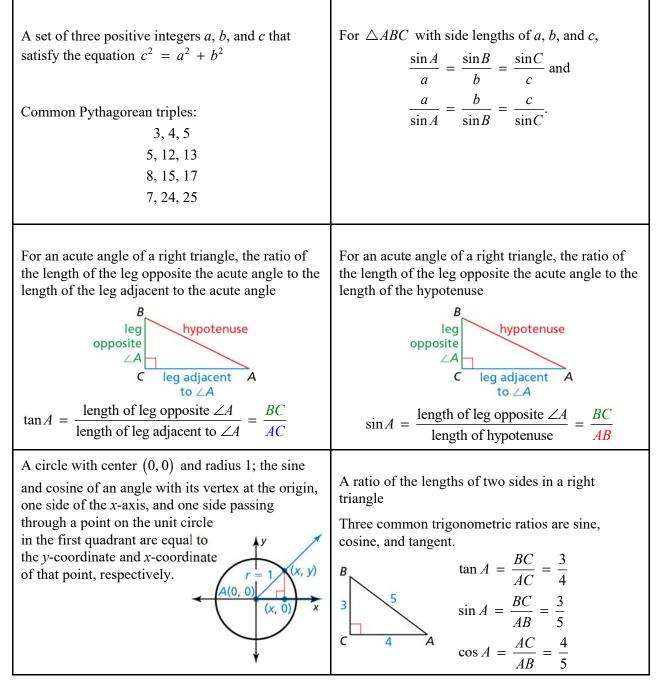


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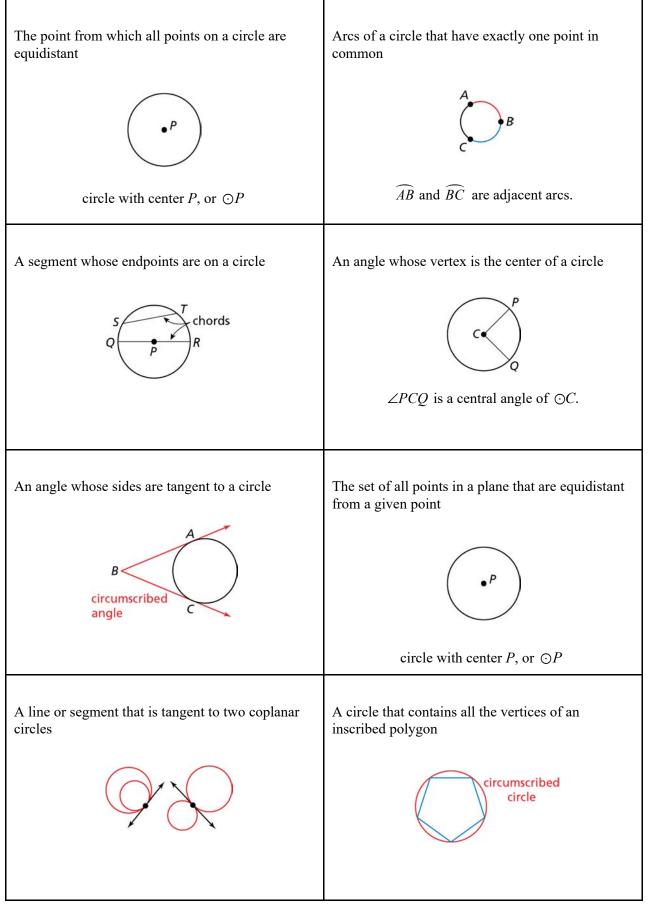
angle of depression	angle of elevation
Chapter 9	Chapter 9
cosine	geometric mean
Chapter 9	Chapter 9
inverse cosine	inverse sine
Chapter 9	Chapter 9
inverse tangent	Law of Cosines
Chapter 9	Chapter 9



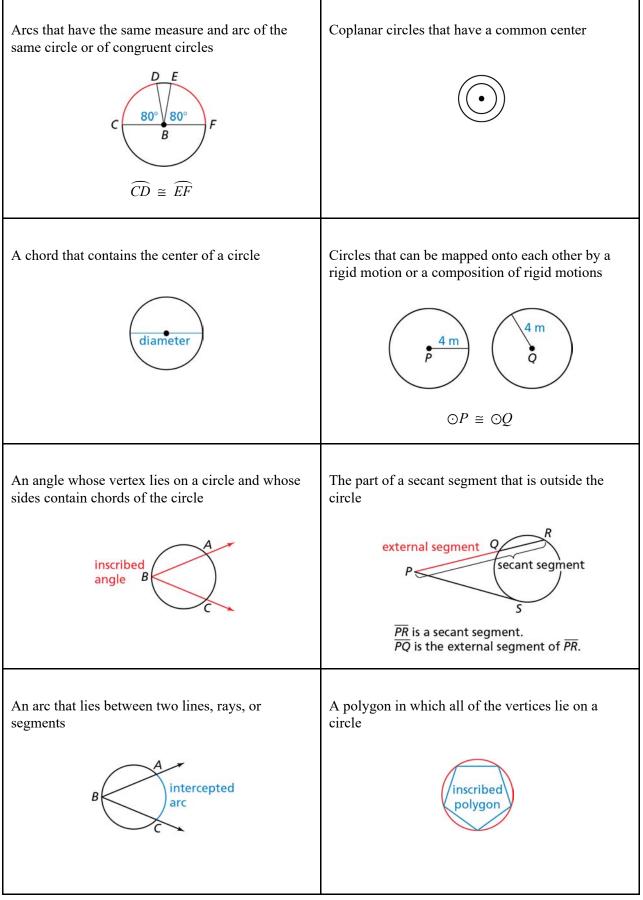
Law of Sines	Pythagorean triple
Chapter 9	Chapter 9
sine	tangent
Chapter 9	Chapter 9
trigonometric ratio	unit circle
Chapter 9	Chapter 9



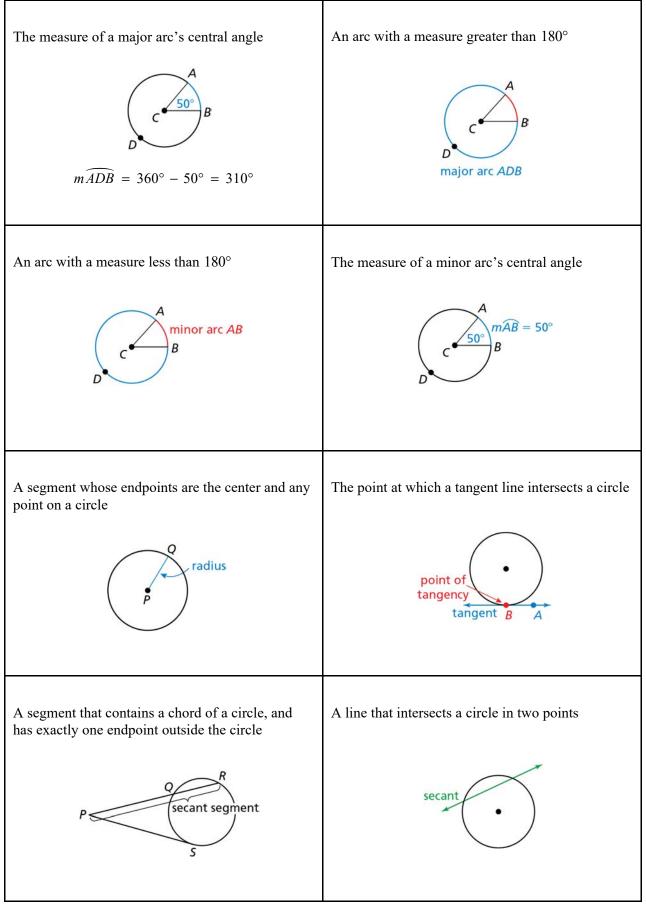
adjacent arcs	center of a circle
Chapter 10	<i>Chapter 10</i>
central angle of a circle	chord of a circle
Chapter 10	Chapter 10
circle	circumscribed angle
Chapter 10	Chapter 10
circumscribed circle	common tangent
Chapter 10	Chapter 10



concentric circles	congruent arcs
Chapter 10	Chapter 10
congruent circles	diameter
Chapter 10	Chapter 10
external segment	inscribed angle
Chapter 10	Chapter 10
inscribed polygon	intercepted arc
Chapter 10	Chapter 10

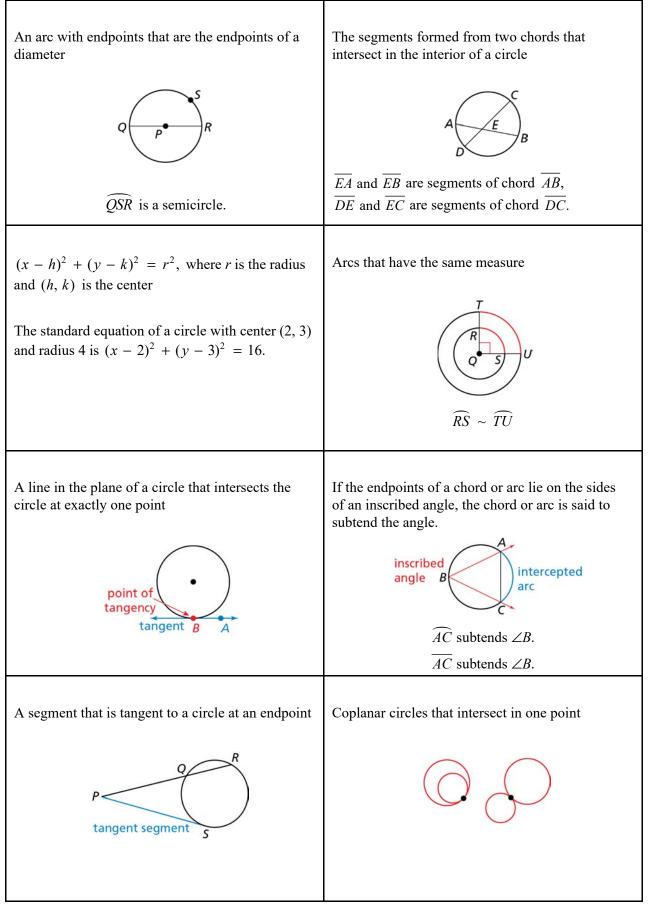


major arc	measure of a major arc
Chapter 10	Chapter 10
measure of a minor arc	minor arc
Chapter 10	Chapter 10
point of tangency	radius of a circle
Chapter 10	Chapter 10
secant	secant segment
Chapter 10	Chapter 10



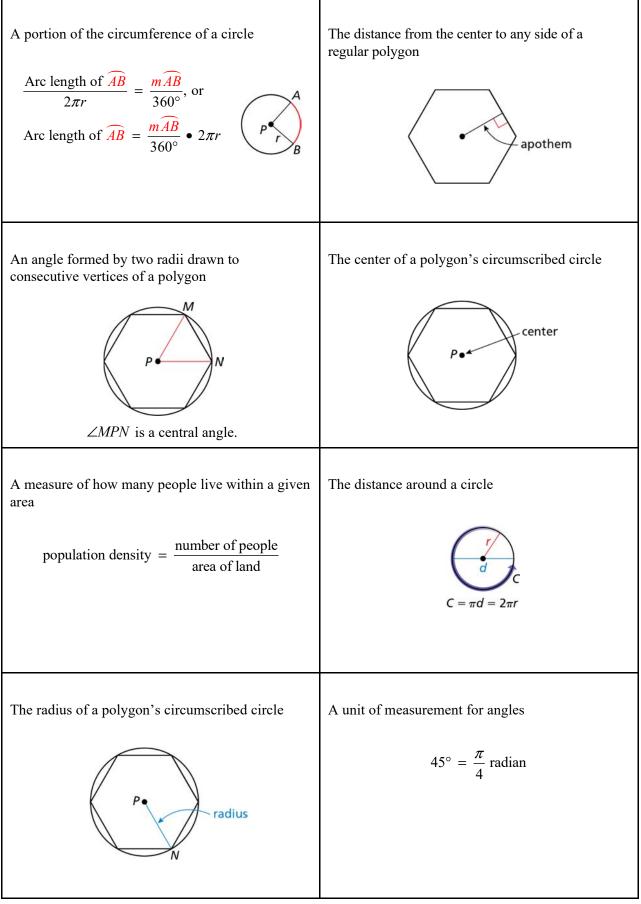
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segments of a chord	semicircle
Chapter 10	Chapter 10
similar arcs	standard equation of a circle
Chapter 10	Chapter 10
subtend	tangent of a circle
Chapter 10	Chapter 10
tangent circles	tangent segment
Chapter 10	Chapter 10



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apothem of a regular polygon	arc length
Chapter 11	Chapter 11
center of a regular polygon Chapter 11	central angle of a regular polygon Chapter 11
circumference	population density
Chapter 11	Chapter 11
radian	radius of a regular polygon
Chapter 11	Chapter 11



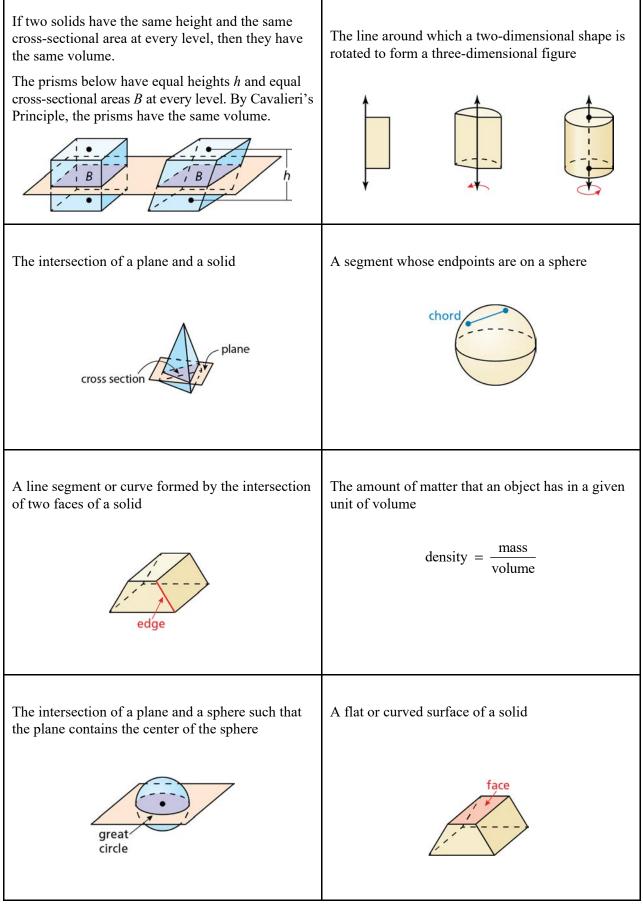
sector of a circle

Chapter 11

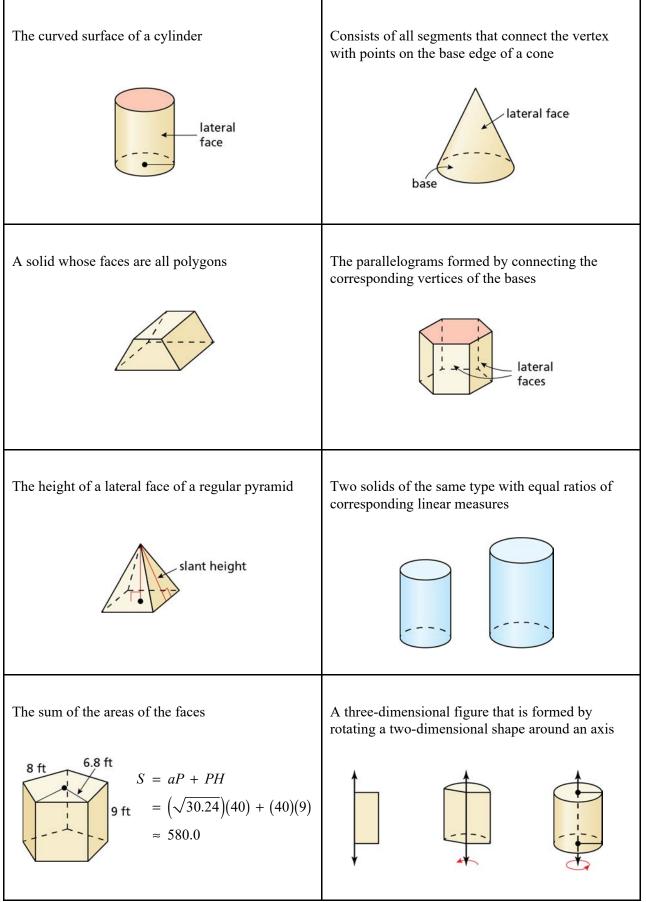
The region bounded by two radii of the circle and their intercepted arc $P \bullet r \bullet B$ sector *APB*

axis of revolution	Cavalieri's Principle
Chapter 12	Chapter 12
chord of a sphere	cross section
Chapter 12	Chapter 12
density	edge
Chapter 12	Chapter 12
face Chapter 12	great circle Chapter 12

T



lateral face of a cone	lateral face of a cylinder
Chapter 12	Chapter 12
lateral faces of a polyhedron	polyhedron
Chapter 12	Chapter 12
similar solids Chapter 12	slant height of a regular pyramid Chapter 12
solid of revolution	surface area of a solid
Chapter 12	Chapter 12



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vertex of a polyhedron	vertex of a pyramid
Chapter 12	Chapter 12
volume	
Chapter 12	

