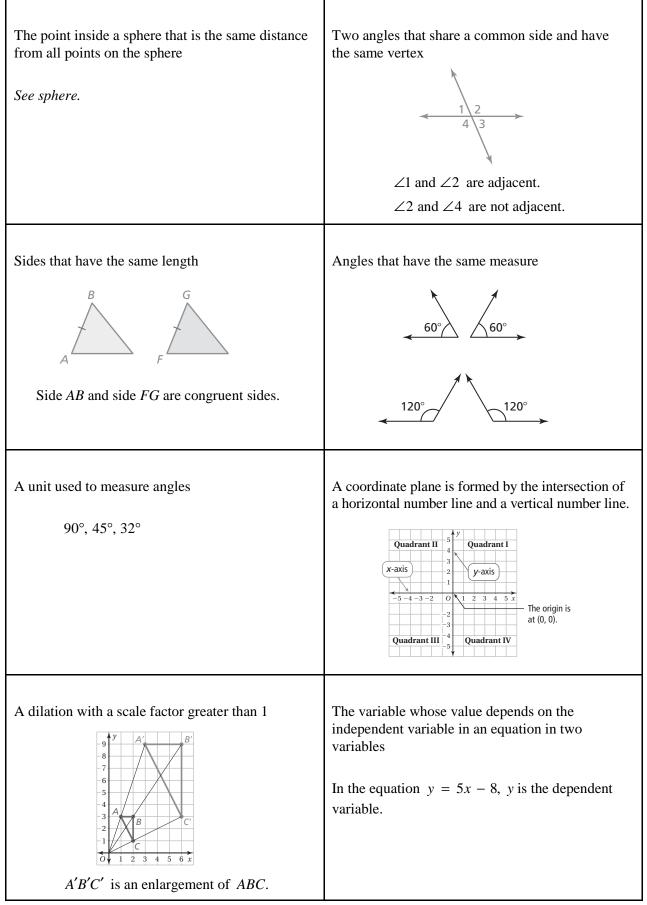
adjacent angles	center of a sphere
Review	Review
congruent angles	congruent sides
Review	Review
coordinate plane	degree
Review	<i>Review</i>
dependent variable	enlargement
Review	Review



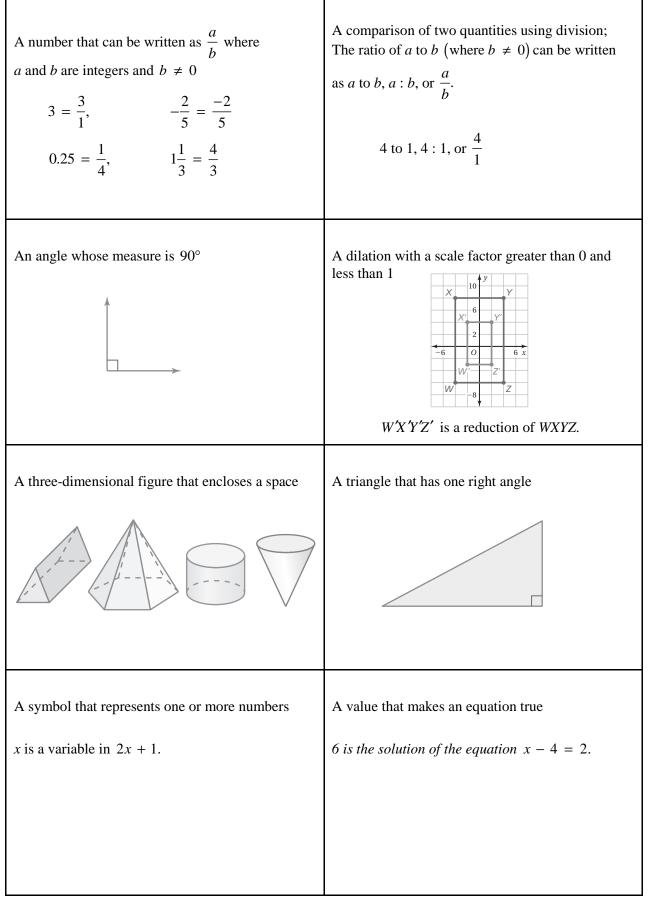
equation	equivalent equations
Review	Review
evaluate (an algebraic expression)	expression
Review	Review
factor	independent variable
Review	Review
integers Review	ordered pair Review

Equations that have the same solutions 2x - 8 = 0 and $2x = 8$	A mathematical sentence that uses an equal sign to show that two expressions are equal 4x = 16, a + 7 = 21
A mathematical phrase containing numbers, operations, and/or variables $12 + 6, 18 + 3 \times 4,$ $8 + x, 6 \times a - b$	Substitute a number for each variable in an algebraic expression. Then use the order of operations to find the value of the numerical expression. Evaluate $3x + 5$ when $x = 6$. 3x + 5 = 3(6) + 5 = 18 + 5 = 23
The variable representing the quantity that can change freely in an equation in two variables In the equation $y = 5x - 8$, x is the independent variable.	When whole numbers other than zero are multiplied together, each number is a factor of the product. $2 \times 3 \times 4 = 24$, so 2, 3, and 4 are factors of 24.
A pair of numbers (x, y) used to locate a point in a coordinate plane; The first number is the <i>x</i> -coordinate, and the second number is the <i>y</i> -coordinate. (-2, 1) $(-2, 1)$ $(-2, 1)$ $(-2, 1)$ $(-2, 1)$ is -2, and the <i>x</i> -coordinate of the point (-2, 1) is -2, and the <i>y</i> -coordinate is 1.	The set of whole numbers and their opposites $\dots -3, -2, -1, 0, 1, 2, 3, \dots$ Big Ideas Math Blue

origin Review	parallel lines
perpendicular lines	polygon
Review	Review
proportion	proportional <i>Review</i>
radius of a sphere	rate
Review	Review

Vocabulary Flash Carus	
Lines in the same plane that do not intersect; Nonvertical parallel lines have the same slope. All vertical lines are parallel. $p_{1} = \frac{q_{1}}{p_{1}}$ Indicates lines p_{1} and q are parallel.	The point, represented by the ordered pair (0, 0), where the horizontal the vertical number lines intersect in a coordinate plane <i>See coordinate plane</i> .
A closed figure in a plane that is made up of three or more line segments that intersect only at their endpoints	Lines in the same plane that intersect at right angles; Two nonvertical lines are perpendicular when the product of their slopes is -1 . Vertical lines are perpendicular to horizontal lines.
Two quantities that form a proportion are proportional. Because $\frac{3}{4}$ and $\frac{12}{16}$ form a proportion, $\frac{3}{4}$ and $\frac{12}{16}$ are proportional.	An equation stating that two ratios are equivalent $\frac{3}{4} = \frac{12}{16}$
A ratio of two quantities with different units You read 3 books every 2 weeks.	The distance from the center of a sphere to any point on the sphere <i>See sphere.</i>

ratio	rational number Review
reduction	right angle Review
right triangle Review	solid Review
solution of an equation	variable Review



vertex (of an angle)	vertex (of a polygon)
Review	Review
whole numbers	x-axis
Review	Review
x-coordinate	y-axis
Review	Review
y-coordinate Review	

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A point at which two sides of a polygon meet; The plural of vertex is vertices. <i>See polygon</i> .	The point at which the two sides of an angle meet
The horizontal number line in a coordinate plane See coordinate plane.	<i>The numbers</i> 0, 1, 2, 3, 4,
The vertical number line in a coordinate plane See coordinate plane.	The first coordinate in an ordered pair, which indicates how many units to move to the left or right from the origin In the ordered pair (3, 5), the <i>x</i> -coordinate is 3.
	The second coordinate in an ordered pair, which indicates how many units to move up or down from the origin In the ordered pair (3, 5), the <i>y</i> -coordinate is 5.

Addition Property of Equality	Division Property of Equality
Chapter 1	Chapter 1
literal equation	Multiplication Property of Equality
Chapter 1	Chapter 1
Subtraction Property of Equality Chapter 1	

Dividing each side of an equation by the same number produces an equivalent equation.

Adding the same number to each side of an equation produces an equivalent equation.

$$4x = -40$$
$$\frac{4x}{4} = \frac{-40}{4}$$
$$x = -10$$

$$x = 1$$

+7 +7

x - 7 = -6

Multiplying each side of an equation by the same number produces an equivalent equation.

$$-\frac{2}{3}x = 8$$
$$-\frac{3}{2} \bullet \left(-\frac{2}{3}x\right) = -\frac{3}{2} \bullet 8$$
$$x = -12$$

An equation that has two or more variables

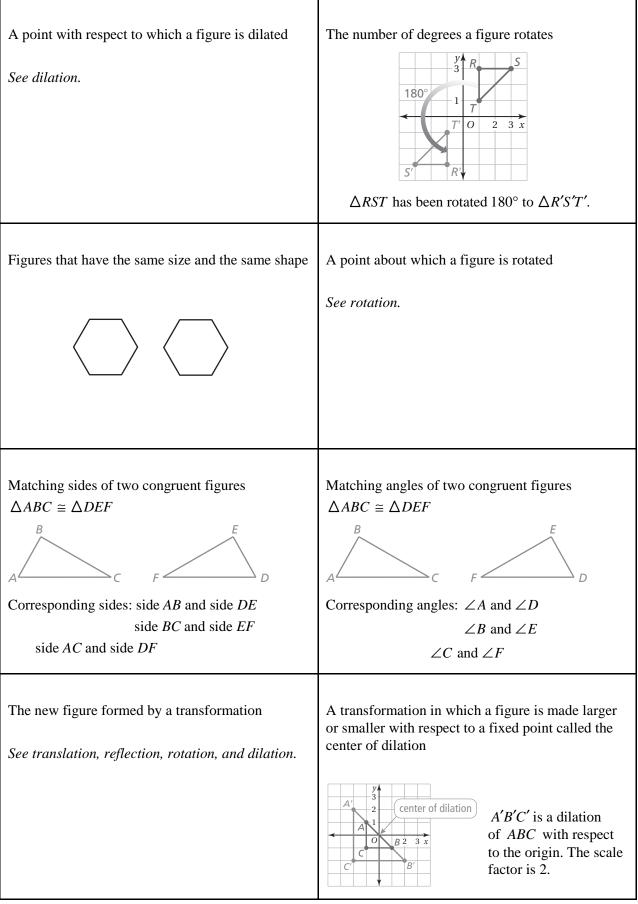
$$2y + 6x = 12$$

Subtracting the same number from each side of an equation produces an equivalent equation.

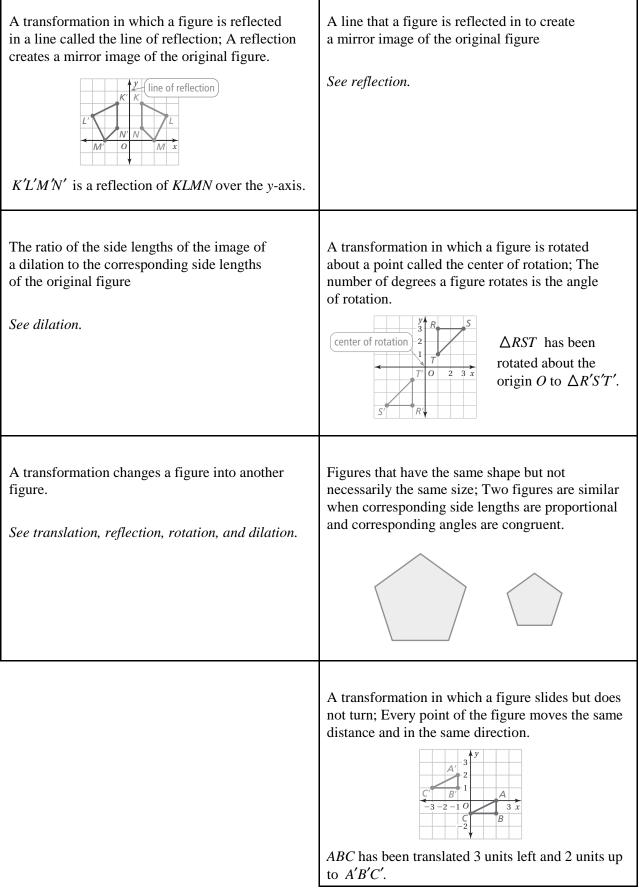
$$x + 10 = -12
 -10 -10
 x = -22$$

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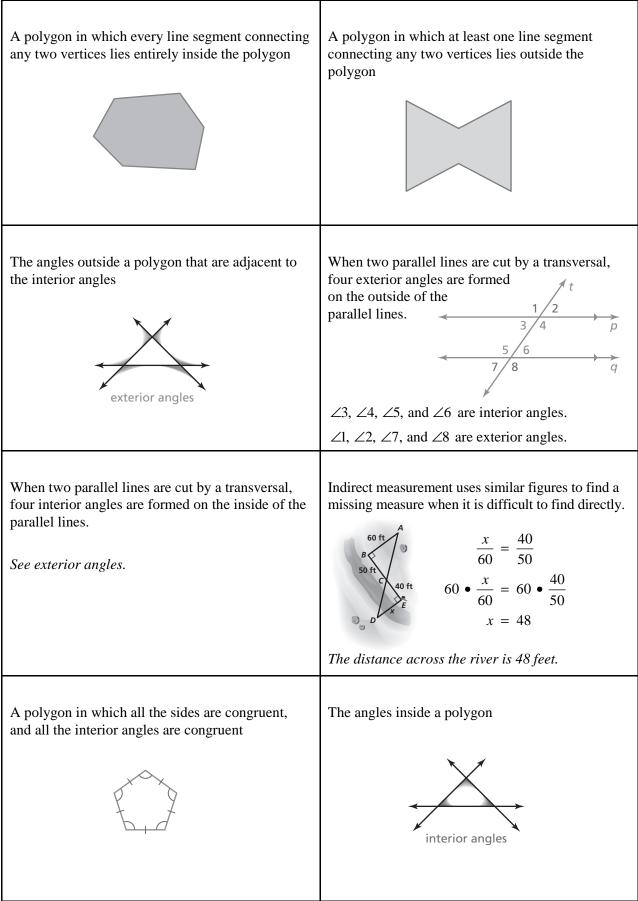
angle of rotation	center of dilation
Chapter 2	Chapter 2
center of rotation	congruent figures
Chapter 2	Chapter 2
corresponding angles	corresponding sides
Chapter 2	Chapter 2
dilation	image
Chapter 2	Chapter 2



line of reflection	reflection
Chapter 2	Chapter 2
rotation	scale factor (of a dilation)
Chapter 2	Chapter 2
similar figures	transformation
Chapter 2	Chapter 2
translation Chapter 2	

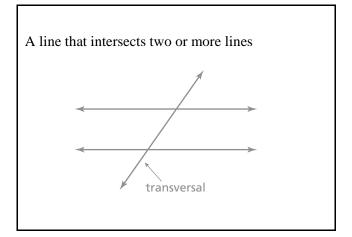


concave polygon Chapter 3	convex polygon Chapter 3
exterior angles	exterior angles of a polygon
Chapter 3	Chapter 3
indirect measurement	interior angles
Chapter 3	Chapter 3
interior angles of a polygon Chapter 3	regular polygon Chapter 3



transversal

Chapter 3



linear equation	point-slope form
Chapter 4	Chapter 4
rise	run
Chapter 4	Chapter 4
slope	slope-intercept form
Chapter 4	Chapter 4
solution of a linear equation	standard form
Chapter 4	Chapter 4

A linear equation written in the form $y - y_1 = m(x - x_1)$ is in point-slope form. The line passes through the point (x_1, y_1) , and the slope of the line is m . $y - 1 = \frac{2}{3}(x + 6)$	An equation whose graph is a line y = x - 1 y = x - 1
The change in <i>x</i> between any two points on a line <i>See slope</i> .	The change in <i>y</i> between any two points on a line <i>See slope</i> .
A linear equation written in the form $y = mx + b$ is in slope-intercept form. The slope of the line is <i>m</i> , and the <i>y</i> -intercept of the line is <i>b</i> . The slope is 1 and the <i>y</i> -intercept is 2.	The slope <i>m</i> of a line is a ratio of the change in <i>y</i> (the rise) to the change in <i>x</i> (the run) between any two points (x_1, y_1) and (x_2, y_2) on a line. It is a measure of the steepness of a line. $m = \frac{\text{rise}}{\text{run}} = \frac{\text{change in } y}{\text{change in } x}$ $= \frac{y_2 - y_1}{x_2 - x_1}$
The standard form of a linear equation is ax + by = c, where a and b are not both zero. -2x + 3y = -6	All of the points on a line

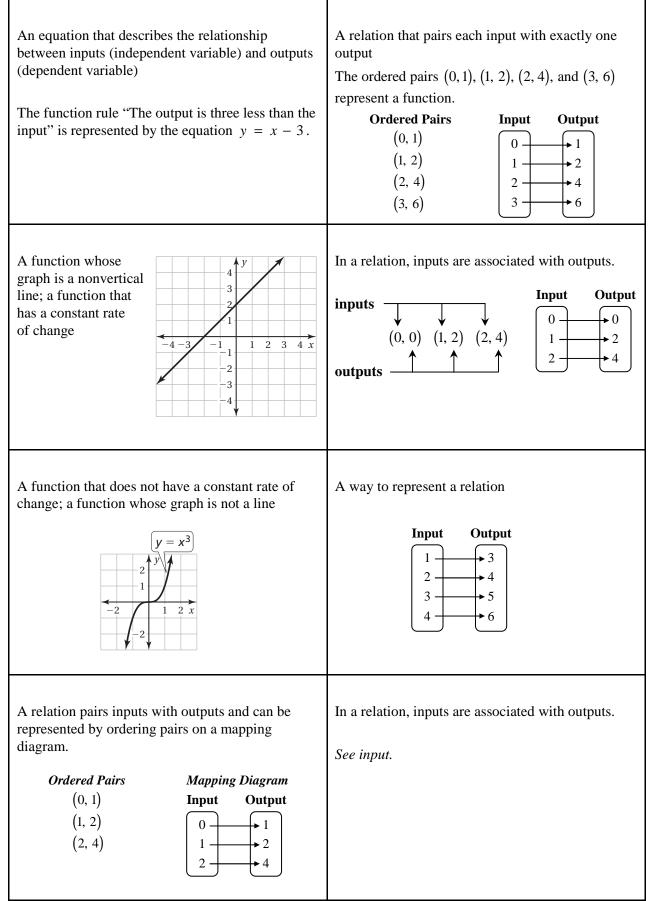
x-intercept	y-intercept
Chapter 4	Chapter 4

The y-coordinate of the point where a line crosses the y-axis See x-intercept. The x-coordinate of the point where a line crosses the x-axis The x-coordinate of the point where a line crosses the x-axis (0, b)(0, b

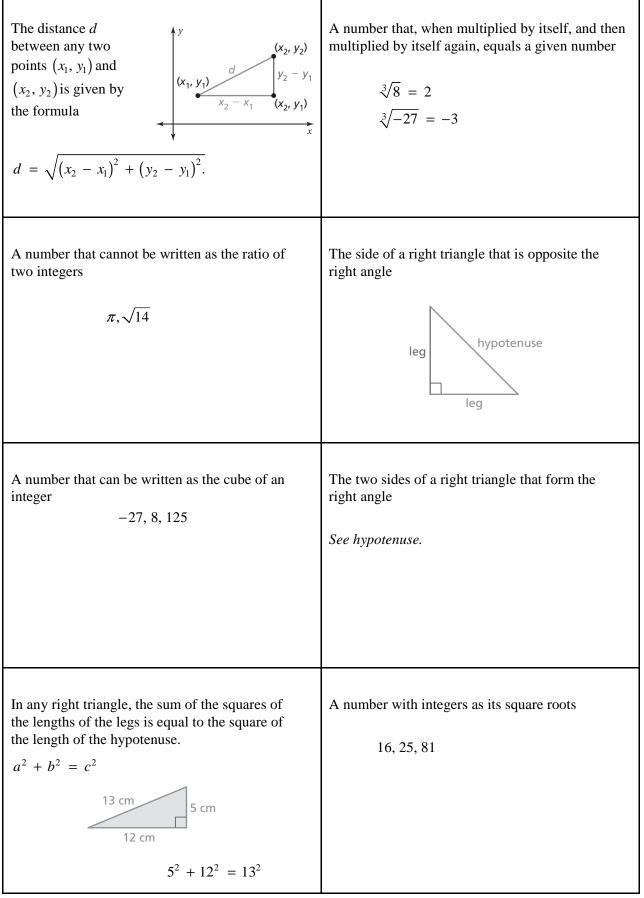
solution of a system of linear equations	system of linear equations
Chapter 5	Chapter 5

A set of two or more linear equations in the same variables, also called a linear system.	An ordered pair that is a solution of each equation in a system
y = x + 1 Equation 1 y = 2x - 7 Equation 2	(1, -3) is the solution of the following system of linear equations. 4x - y = 7 $2x + 3y = -7$

function	function rule
Chapter 6	Chapter 6
input	linear function
Chapter 6	Chapter 6
mapping diagram	nonlinear function
Chapter 6	Chapter 6
output Chapter 6	relation Chapter 6



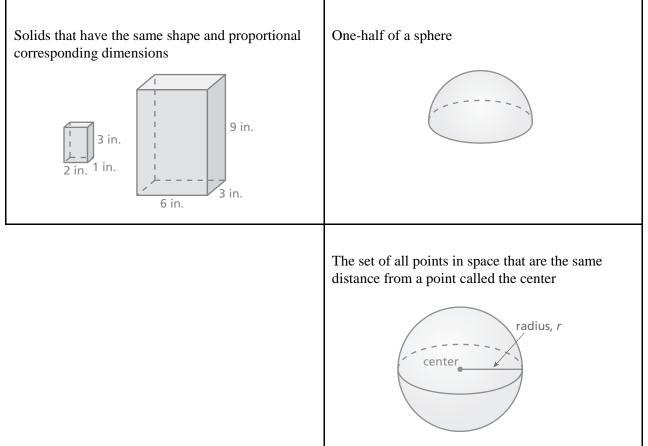
cube root	distance formula
Chapter 7	Chapter 7
hypotenuse	irrational number
Chapter 7	Chapter 7
legs Chapter 7	perfect cube Chapter 7
perfect square Chapter 7	Pythagorean Theorem Chapter 7



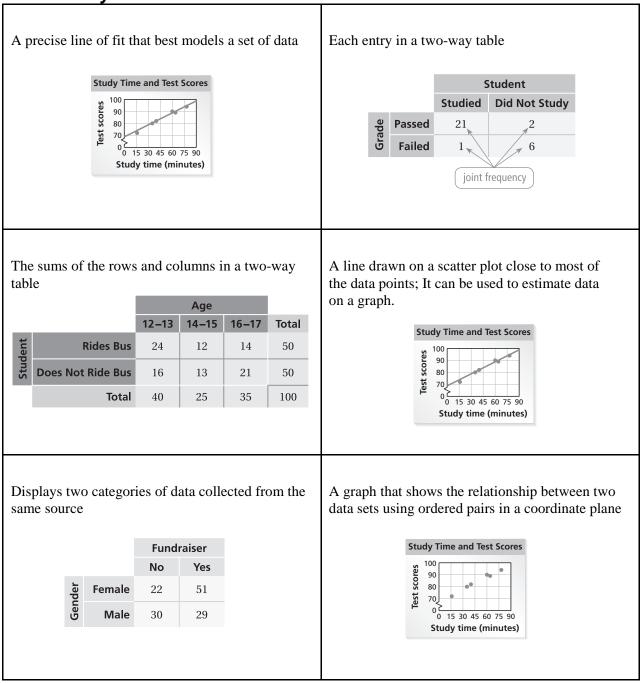
radical sign	radicand
Chapter 7	Chapter 7
real numbers	square root
Chapter 7	Chapter 7
theorem	
Chapter 7	

The number under a radical sign The radicand of $\sqrt{25}$ is 25.	The symbol $$ which is used to represent a square root $\sqrt{25} = 5$ $-\sqrt{49} = -7$ $\pm\sqrt{100} = \pm 10$
A number that, when multiplied by itself, equals a given number The two square roots of 100 are 10 and -10. $\pm \sqrt{100} = \pm 10$	The set of all rational and irrational numbers 4, -6.5, π , $\sqrt{14}$
	A rule in mathematics The Pythagorean Theorem

hemisphere		similar solids	
	Chapter 8		Chapter 8
sphere			
	Chapter 8		



joint frequency		line of best fit	
	Chapter 9		Chapter 9
line of fit		marginal frequenc	
	Chapter 9		Chapter 9
scatter plot		two-way table	
	Chapter 9		Chapter 9



base (of a power)	exponent
Chapter 10	Chapter 10
power	Power of a Power Property
Chapter 10	Chapter 10
Power of a Product Property	Product of Powers Property
Chapter 10	Chapter 10
Quotient of Powers Property	scientific notation
Chapter 10	Chapter 10

