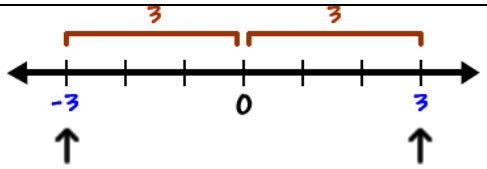
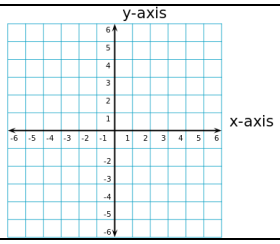
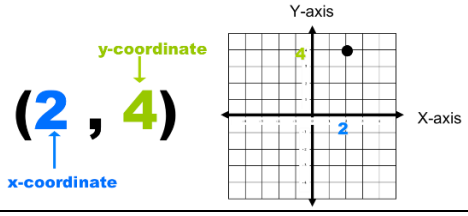
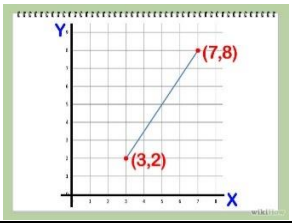
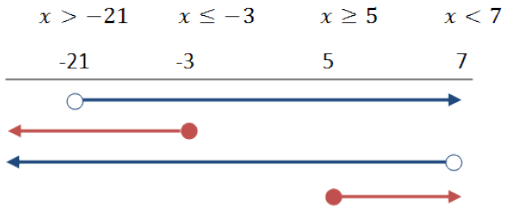
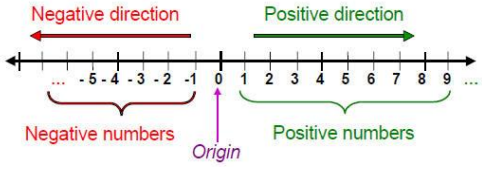
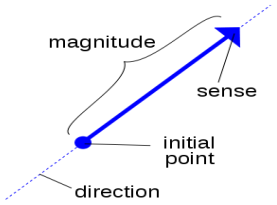
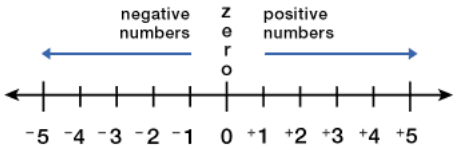
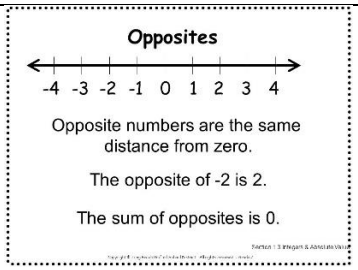
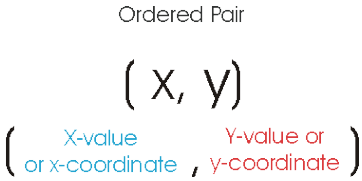
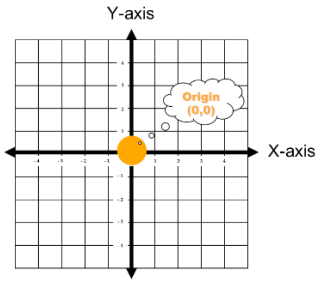
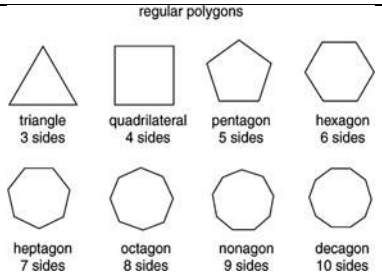
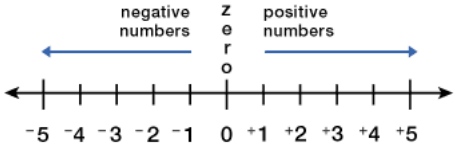
MATH: UNIT VOCABULARY

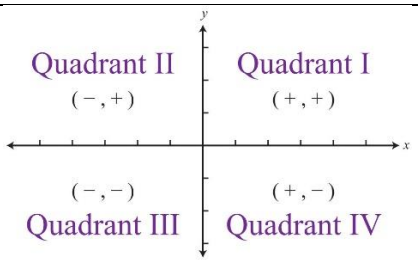
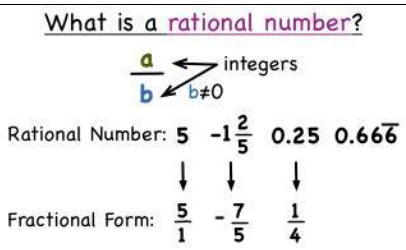
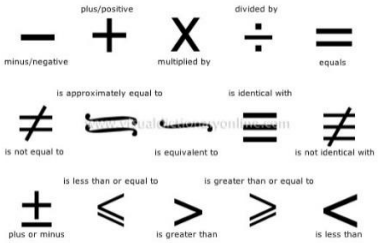
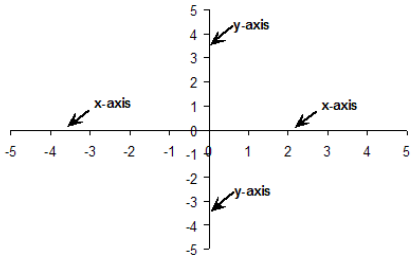
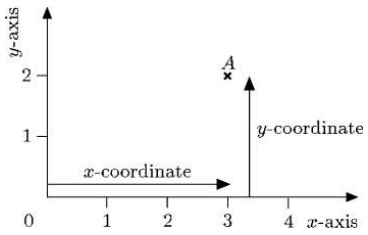
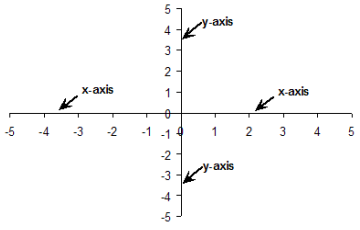
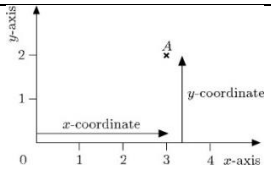
Rational Exploration: Numbers and Their Opposites

NAME:_____

CHART

TERM	INFORMATION	PICTURE
Absolute value	The distance between a number and zero on the number line. The symbol for absolute value is shown in the equation |−8| = 8.	
Cartesian Coordinate Plane	A plane containing two perpendicular axes (x and y) intersecting at a point called origin (0, 0).	
Coordinates	An ordered pair, (x, y), that locates a point in a plane.	
Distance	Amount of separation between 2 points.	
Inequality	Any mathematical sentence that contains the symbols > (greater than), < (less than), ≤ (less than or equal to), or ≥ (greater than or equal to).	
Integers	The set of whole numbers and their opposites {… − 3, −2, −1, 0, 1, 2, 3, … }	

Magnitude	Greatness in size or amount	
Negative numbers	The set of numbers with a value less than zero	
Opposite number	Two different numbers that have the same absolute value. Example: 4 and −4 are opposite numbers because both have an absolute value of 4. They are the same distance from zero, in opposite directions.	
Ordered Pair	A pair of numbers, (x, y), that indicate the position of a point on the Cartesian coordinate Plane.	
Origin	The point of intersection of the vertical and horizontal axes of a Cartesian coordinate plane. The coordinates of the origin are (0, 0).	
Polygon	A closed figure formed by three or more line segments.	
Positive number	The set of numbers whose value is greater than zero.	

Quadrant	One of the four regions on a Coordinate plane formed by the intersection of the x-axis and the y-axis.	
Rational number	The set of numbers that can be written in the form a/b where a and b are integers and $b \neq 0$.	
Sign	A symbol that indicates whether a number is positive or negative. Example: in −4, the (−) sign how this number is read “negative four”.	
x-axis	The horizontal number line on the Cartesian coordinate plane.	
x-coordinate	The first number of in ordered pair; the position of a point relative to the vertical axis.	
y-axis	The vertical number line on the Cartesian coordinate plane	
y-coordinate	The second number in an ordered pair; the position of a point relative to the horizontal axis