*** 7 th Grade Skill Homework- CHEAT SHEET ***									
1. Integers Operation (7.3b)		2. Fractions Operation (7.3b)		3. Decimals Operation (7.3b)					
Addition Rules Same sign: Just add and keep the	Subtraction Rule Add the opposite 1. Change the	Adding and Subtracting Fractions You must have a common denominator! Add or subtract the numerator only and		Adding and Subtracting Decimals LINE UP THE DECIMALS! Add zeros if necessary. (3 is 3.0) Then just add and subtract like normal.					
sign Different signs: Subtract and keep the sign of the largest absolute value Multiplication Rules	subtraction sign to addition 2. Change the sign of the second number 3. Follow addition rules! Division Rules	keep denominator to Multiplying Fractions Multiply numerator times numerator Denominator times denominator	he same. Dividing Fractions Multiply by the reciprocal	Multiplying Decimals You do not need to line up, just set up like regular multiplication. Count how many numbers are to	number outside), make it a whole number by moving the				
Same sign answer is positive Different sign answer is negative	Same sign answer is positive Different sign answer is negative	To make a mixed number into a fraction, Multiply the denominator by the whole number then add the numerator. Put this answer over your original denominator.		the right of each decimal, this how many times you will move the decimal to the left for your answer.	decimal to the right, then move the decimal the same number of places in the dividend. Decimal goes straight up in your answer.				
	4. Order of (Operation (7.3b)		5. Percent/Ratio/Rate (7.4b,d)					
<u>M</u> ulti	PEMI he operation(s) i Do all <u>E</u> x ply or <u>D</u> ivide (ord	Percent Equation: Part=%(whole) Percent must be in decimal form. Unit Rate: Finding one unit. Set up a proportion.	Sales Tax: Find the amount of tax by multiplying \$ by % as decimal. Add this back to \$. Percent Change: See Below						
6. Equation Models		7. Fractions/Decimals/Percent		8. Algebraic Relationship					
Evaluate means to substitute in the given values and solve.		Fraction to Decimal	Divide	$k=\frac{y}{x}$ 9. Equations (7.11a) Your goal is to figure out what number the variable can be to make the equation true. To do this, you must isolate the variable. Use the inverse operation (+ or -) with the constant to make a zero pair. Then use the inverse operation (• or \div) with the coefficient. Whatever you do to one side of the equation, you must do to the other side.					
		Decimal to Percent	Move decimal 2 places to the left and add percent sign						
		Percent to Decimal	Move decimal 2 places to right and remove percent sign						
		Decimal to Fraction	Put number over its place value and simplify						
Percent Chang	<u>e:</u>	10. Inequalities (7.11a)							
Amount of Inc		Your goal is to figure out what number(s) the variable can be to make the inequality true. Follow the same rules as Equations.							
Original Amo	nvert your decimal	To graph: ≤ (closed dot and shade left) < (open dot and shade right) ≥ (closed dot and shade right) > (open dot and shade right)							