

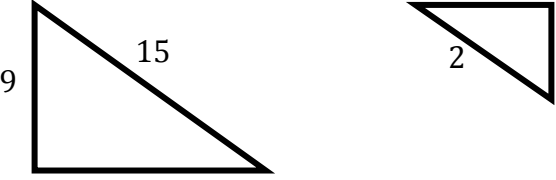
Name \_\_\_\_\_

**What did I learn this so far this year?****Ratings:**

- 1: I've never seen this topic or wouldn't even know how to begin.  
 2: I've heard or seen this before, but don't know how to start or complete the problem.  
 3: I know the topic and can work through the problem but am unsure whether I am correct.  
 4: I feel confident that I could present my work and solution to the class.  
 5: I feel that I could correctly teach this topic to another student if asked.

	TARGET	EXAMPLES	RATING TODAY	RATING Mid-Term.
<b>A</b>	Simplify expressions according to the Order of Operations	$8^2 - (9 + 3 \div 3) +  9 - 10 $		
<b>B</b>	Order and classify Real Numbers	$-\frac{1}{2}, \sqrt{25}, -2, 0.13, 0.\bar{3}$		
<b>C</b>	Add real numbers.	$-0.13 + 0.26$ $\frac{2}{3} + \frac{4}{5}$		
<b>D</b>	Subtract real numbers	$22.5 - 0.13$ $-19 - (-43)$		
<b>E</b>	Multiply real numbers	$44 \times (-4)$ $\frac{-4}{7} \left( \frac{-2}{9} \right)$		
<b>F</b>	Use the distributive property to write equivalent expressions	$3(x - 5) = 3x - 15$ $2x(x - 5y) = 2x^2 - 10xy$		
<b>G</b>	Use the distributive property to simplify expressions	$12x + 4x = x(12 + 4) = 16x$ $1.3y - 0.3y = y(1.3 - 0.3) = 1y$		
<b>H</b>	Divide real numbers	$12 \div -6$ $\frac{2}{3} \div \frac{-7}{4}$		
<b>I</b>	Find the square roots	$\sqrt{16} = 4$ $\pm\sqrt{49} = \pm 7$		

<b>J</b>	Create verbal models and mathematical models, identifying phrases that need re-ordering.	Eight less than four is less than six. Translate: " $9 \times 5 > 40$ "		
<b>K</b>	Identify Prime and Composite Numbers, listing the Prime Factorization of Composite Numbers	$2, 4x^2, 24x$		
<b>L</b>	Identify Relatively Prime Numbers	15 and 14		
<b>M</b>	Find the Greatest Common Factor and Least Common Multiple	$8x^2$ and $12x$		
<b>N</b>	Simplify algebraic fractions	$\frac{4x^2y}{10xy^3}$		
<b>O</b>	Represent exponential expressions in expanded form	$27x^3$		
<b>P</b>	Use the Rules of Exponents	$(3x^2)^3, (4x^2)(5x), 6^{-3}$		
<b>Q</b>	Convert values into Scientific Notation and Standard Notation	$8.2 \times 10^{-3}, 0.00059$		
<b>R</b>	Multiply and divide values in Scientific Notation	$2.3 \times 10^3 (5 \times 10^{-5})$ $\frac{2.4 \times 10^3}{1.2 \times 10^1}$		
<b>S</b>	Solve one-step, two step, & multi-step equations with decimals, fractions, and variables on both sides of the equation	$-4x - 5 = 12$ $\frac{x}{3} + 4 = 2\frac{1}{2}$ $5 - 2(x + 4) = 2x + 1$ $5.6x - 1 = 2.56$		
<b>T</b>	Identify, simplify, and create Ratios, Rates, and Unit Rates	$\frac{5 \text{ oz}}{\$3.00}$		

<b>U</b>	Identify, simplify, solve, and create Proportions	$\frac{6}{10} = \frac{x}{15}$		
<b>V</b>	Utilize Scale Factors on Scale Drawings,	Given 1 in: = 3 yards, and a drawing is 2.25 inches, how long is the object?		
<b>W</b>	Identify Similar Figures and find missing sides			
<b>X</b>	Convert between fractions, decimals and percents	$\frac{2}{3} = \underline{\quad} \% = \underline{\quad}$ $\underline{\quad} = \underline{\quad} \% = 0.4$		
<b>Y</b>	Solve percent equations using the percent sentence	What is 5% of 12? What percent of 8 is 12?		
<b>Z</b>	Determine the percent of change using the percent sentence	If an object cost \$4 and now costs \$6, what percent of change occurred?		
<b>AA</b>	Calculate the Simple Interest given the formulas and information	What is the Simple Interest earned given a loan of \$5,000 for 6 months at 7% Interest Rate?		