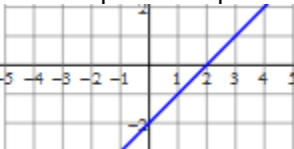
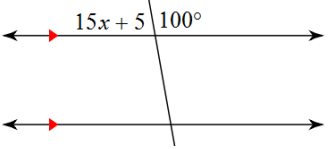
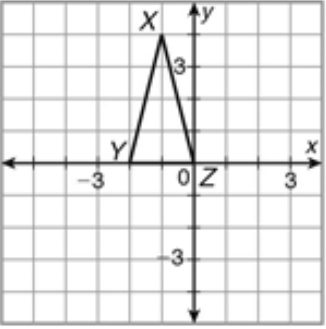
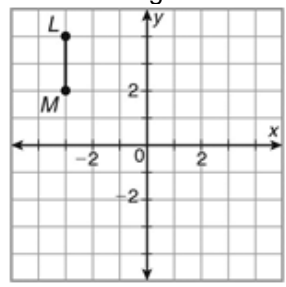
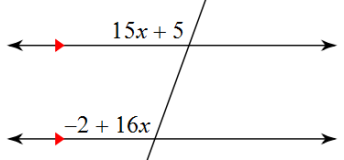
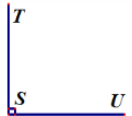
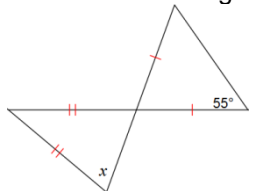
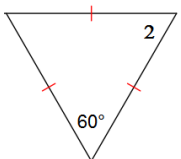
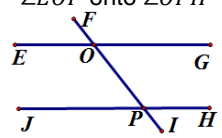
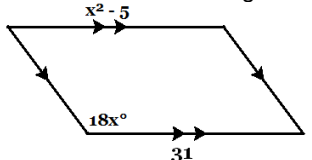
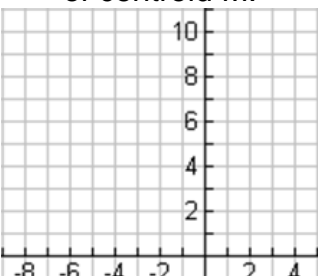
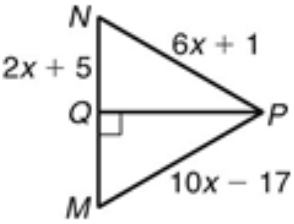
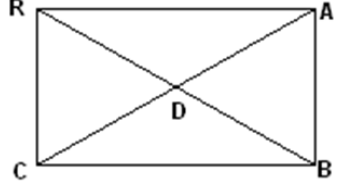
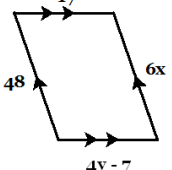


Name: _____

NTI Day 8

Teacher: _____

<p>Find the slope between the following points: $(-4, 7)$, and $(4, -10)$</p>	<p>Which equation has a slope of $\frac{4}{5}$ and a y-intercept of -9. A) $y = -\frac{4}{5}x - 9$ B) $y = \frac{4}{5}x - 9$ C) $y = -\frac{4}{5}x + 9$ D) $y = \frac{4}{5}x + 9$</p>	<p>Write the equation of the line in slope intercept form.</p> 	<p>Write the equation of a line in slope intercept form that has a slope of 6 and has a y-intercept of $\frac{1}{2}$.</p>	
<p>Find the value of x below:</p> 	<p>Draw the result of reflecting the figure across the x-axis and then translated $(x+2, y)$</p> 	<p>If \overline{LM} is reflected across the x-axis and then translated $(x+4, y+1)$, in which quadrant is the final image?</p> 	<p>Find the value of x below:</p> 	
<p>Rotate the figure 180° such that U' is on T and T' is on U. Prove the combined figure is a rectangle.</p> 	<p>In $\triangle XYZ$, $\angle Y$ is 5° smaller than 1.5 times $\angle X$. $\angle Z$ is 5° smaller than $\angle X$. Find the measure of all the angles.</p>	<p>Solve for x in the diagram</p> 	<p>Solve for x, given the $m\angle 2 = 9x + 6$</p> 	<p>The angles in a triangle make the ratio 1:2:3. Find the measures of these angles and classify the triangle.</p> 
<p>Use the figure to determine the measure of each angle:</p> 	<p>$\triangle TRE$ has vertices $T(3, 6)$, $R(-3, 10)$ and $E(-9, 5)$. Find the coordinates of centroid M.</p> 	<p>\overline{PQ} is the perpendicular bisector of \overline{MN}. What is the length of QP?</p> 	<p>In rectangle $ABCR$,</p>  <p>If $RB = 10x - 2$ and $AC = 3x + 33$, then</p> <p>$x =$ _____ $AC =$ _____ $DA =$ _____</p>	
<p>Solve for x and y in the figure:</p> 	<p>The Good Year blimp is filled with 222,000 m^3 of helium. Helium has a density of 0.1785 kg/m^3. How many kilograms of helium are in the blimp? Use the formula $d = \frac{m}{v}$.</p>	<p>Western North Carolina woods have a deer population density of 3.5 deer per acre. If there are a total of 435 deer, how many acres are in this parcel of woods?</p>	<p>The perimeter of a rectangle is 18 inches. What are the possible lengths and widths if the side lengths are whole numbers?</p>	<p>A 50ft by 35ft residential garden produces 1,975 servings of food over the course of a year. How many servings of food per square foot is this?</p>

<p>A 15ftX20ft room has a 6ft diameter circular rug in it. How much of the floor is not covered by the rug?</p>	<p>A 5in radius ball is in a box such that all six sides of the box are touching the ball. What percent of the space in the box is being taken up by the ball?</p>	<p>900 wind turbines produce 800,500 kilowatts of energy per hour. If a total of 32,725,550 kilowatts of energy is produced, how much time did this take?</p>	<p>An equilateral triangle has a perimeter of 60 feet. Find the area of the triangle to the nearest whole foot?</p>
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My Work

<h3 style="margin: 0;">Monday</h3>	<h3 style="margin: 0;">Tuesday</h3>
<h3 style="margin: 0;">Wednesday</h3>	<h3 style="margin: 0;">Thursday</h3>

My Progress

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
# of questions _____	# of questions _____	# of questions _____	# of questions _____
# correct _____	# correct _____	# correct _____	# correct _____
I need more help with... _____	I need more help with... _____	I need more help with... _____	I need more help with... _____
