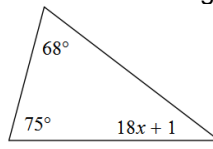
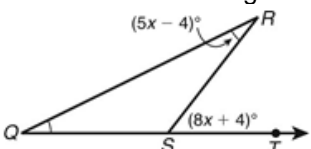
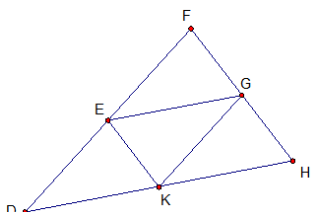
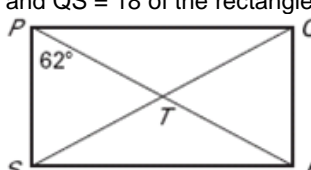
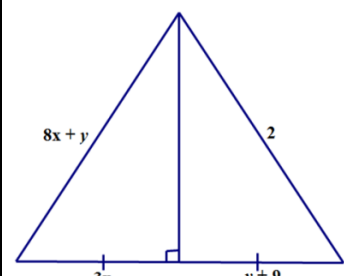
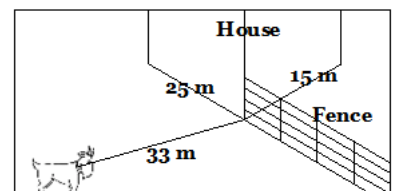
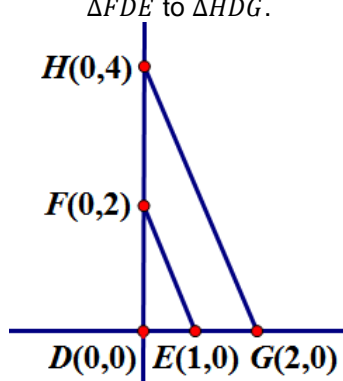
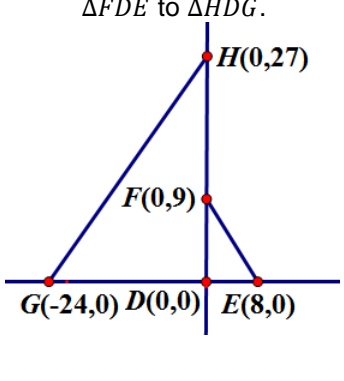
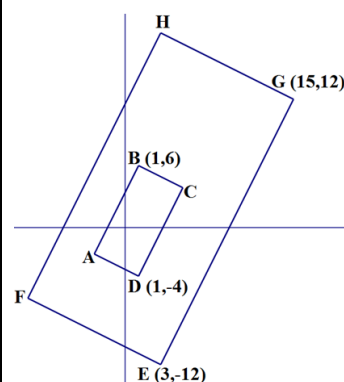
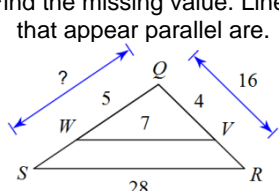
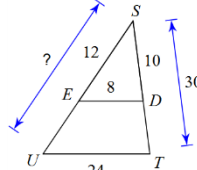
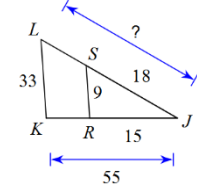
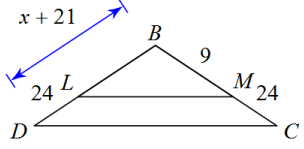
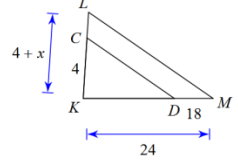
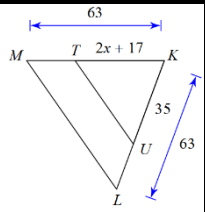
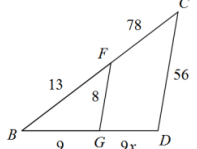


Name:

# NTI Day 9

Teacher:

<p><b>Always, Sometimes, Never</b></p> <p>1. The sum of any two angles in a triangle is more than <math>90^\circ</math>.</p> <p>2. If two triangles are isosceles, then they are <math>\cong</math>.</p>	<p>Solve for <math>x</math> in the diagram:</p> 	<p>Solve for <math>x</math> in the diagram:</p> 	<p>The measures of the angles in a triangle have a ratio of 2:9:1. Find the measures of these angles.</p>
<p>Points <math>E</math>, <math>G</math>, and <math>K</math> are midpoints. Explain how you know figure <math>EGHK</math> is a parallelogram?</p> 	<p>Given <math>\angle RPS = 62^\circ</math>, <math>PQ = 15</math> and <math>QS = 18</math> of the rectangle:</p>  <p>1. <math>m\angle QPR</math> _____ 2. <math>\overline{ST}</math> _____</p> <p>3. <math>m\angle PTQ</math> _____ 4. <math>\overline{PR}</math> _____</p> <p>5. <math>\overline{PS}</math> _____</p>	<p>For any rectangle <math>FGHJ</math>, decide whether the statement is <i>always</i> or <i>sometimes</i> or <i>never</i> true. Draw a diagram.</p> <p>1. <math>\angle G \cong \angle H</math></p> <p>2. <math>\overline{JF} \cong \overline{FG}</math></p>	 <p>Use a system of equations to solve for both <math>x</math> and <math>y</math>.</p>
<p>The population density of Smallville (20 square miles) was 20.2 people per square mile. A decade later the population to 27.8 people per square mile. What was the increase in population?</p>	<p>A parade float has thousands of balloons is filled with 134,000 <math>m^3</math> of helium. Helium has a density of <math>0.1785 \text{ kg}/m^3</math>. How many kilograms of helium are used in the float? Use the formula <math>d = \frac{m}{v}</math>.</p>	<p>A goat is tied to a house. (see diagram)</p> <p>How much grazing area does this goat have?</p>	
<p><math>\Delta MRS \sim \Delta MOR</math> by a similarity ratio of 1:5. <math>\Delta MRS</math> has an area of <math>18 \text{ cm}^2</math> and perimeter of 27 cm. What is the area and perimeter of <math>\Delta MOR</math>?</p> <p>A: _____ P: _____</p>	<p>Find the scale factor from <math>\Delta FDE</math> to <math>\Delta HDG</math>.</p> 	<p>Find the scale factor from <math>\Delta FDE</math> to <math>\Delta HDG</math>.</p> 	 <p>The rectangles above are similar. Find the coordinates for the following points:</p> <p>A = _____ H = _____</p> <p>C = _____ F = _____</p>
<p>Find the missing value. Lines that appear parallel are.</p> 	<p>Find the missing value. Lines that appear parallel are.</p> 	<p>Find the missing value. Lines that appear parallel are.</p> 	

<p>Solve for <math>x</math>. Lines that appear parallel are.</p> 	<p>Solve for <math>x</math>. Lines that appear parallel are.</p> 	<p>Solve for <math>x</math>. Lines that appear parallel are.</p> 	<p>Solve for <math>x</math>. Lines that appear parallel are.</p> 
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# My Work

Monday	Tuesday
Wednesday	Thursday

# My Progress

<p style="text-align: center;">MONDAY</p> <p># of questions _____</p> <p># correct _____</p> <p>I need more help with... _____</p>	<p style="text-align: center;">TUESDAY</p> <p># of questions _____</p> <p># correct _____</p> <p>I need more help with... _____</p>	<p style="text-align: center;">WEDNESDAY</p> <p># of questions _____</p> <p># correct _____</p> <p>I need more help with... _____</p>	<p style="text-align: center;">THURSDAY</p> <p># of questions _____</p> <p># correct _____</p> <p>I need more help with... _____</p>
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