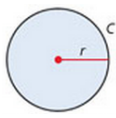

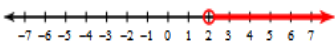

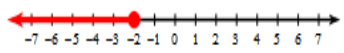
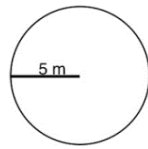

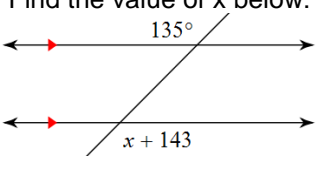
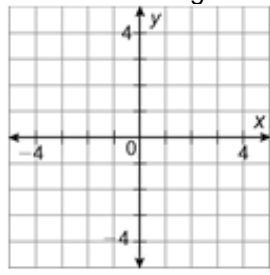
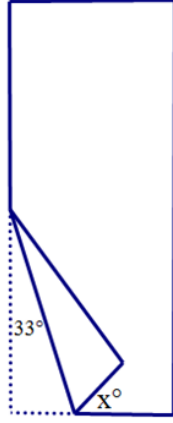
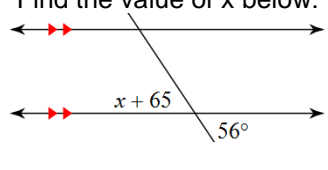
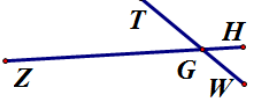
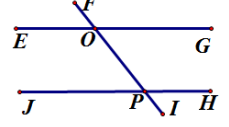
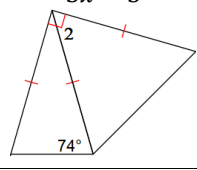
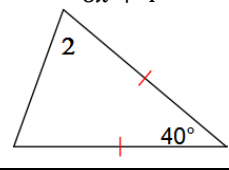
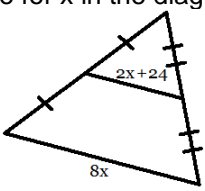
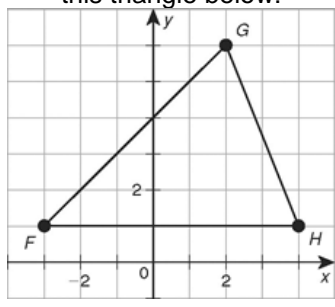
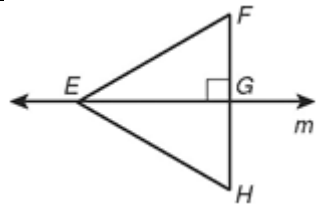
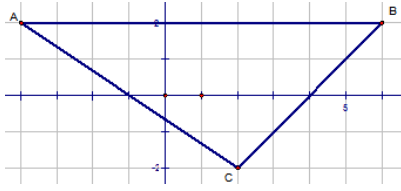


Name:

# NTI Day 6

Teacher:

|                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Solve for the variable <math>m</math>:</p> $m - n = 5$                                                                                                                                                | <p>Solve for the variable <math>k</math>:</p> $\frac{m}{k} = x$                                                                                                                                                                                                                                              | <p>The formula for the circumference or a circle is <math>C = 2\pi r</math>. Solve for <math>\pi</math>.</p>                                                                                                                                                        | <p>Solve for <math>y</math> in the equation:</p> $5x - 3y = 21$                                                                                                  |
| <p>Graph the inequality on a number line:</p> $x \leq 3$                                                                 | <p>Write an inequality that represents the graph below:</p>                                                                                                                                                                 | <p>Solve and graph the inequality on a number line:</p> $-12 > g - 17$                                                                                                                                                                                               | <p>Write an inequality that represents the graph below:</p>                   |
|  <p>Determine the diameter of the circle above.</p>                                                                     | <p>Sketch line that contains points <math>W</math>, <math>Z</math> and <math>T</math> such that <math>T</math> is the midpoint of <math>\overline{WZ}</math>.</p>                                                                                                                                            | <p>Reflect the shape below upside down. Would it be congruent to the original?</p>                                                                                                                                                                                   | <p>Sketch rectangle <math>MNOP</math> such that <math>\overline{NO}</math> is the radius of circle <math>N</math>.</p>                                           |
| <p>Find the value of <math>x</math> below:</p>                                                                         | <p>Graph the transformation <math>X(3, -3)</math>, <math>Y(1, -2)</math>, and <math>Z(3, 0)</math> to <math>X'(-3, -3)</math>, <math>Y'(-1, -2)</math>, and <math>Z'(-3, 0)</math>. Draw the preimage and the image.</p>  | <p>A rectangular sheet of paper is folded at the corner. Find the value of <math>x</math>.</p>                                                                                                                                                                      | <p>Find the value of <math>x</math> below:</p>                               |
| <p>Using the definition of supplementary and an algebraic proof, prove: <math>\angle TGZ \cong \angle HGW</math></p>  | <p>Describe a series of transformations that maps <math>\angle FOG</math> onto <math>\angle OPH</math></p>                                                                                                              |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                  |
| <p>Explain why the two acute angles in a right triangle have to be complementary.</p>                                                                                                                    | <p>What is the measure of one of the base angles of an isosceles triangle if the measure of the vertex angle is <math>98^\circ</math>?</p>                                                                                                                                                                   | <p>Solve for <math>x</math>, given that <math>m\angle 2 = 5x - 5</math></p>                                                                                                                                                                                        | <p>Solve for <math>x</math> given that <math>m\angle 2 = 6x + 4</math></p>  |
| <p>Solve for <math>x</math> in the diagram:</p>                                                                       | <p>Determine the centroid of this triangle below:</p>                                                                                                                                                                     | <p>Line <math>m</math> is a perpendicular bisector. If <math>\overline{EG} = 12</math> and <math>\overline{FG} = 5</math>, then how long is:</p> <p><math>\overline{EF}</math> _____ <math>\overline{GH}</math> _____</p> <p><math>\overline{EH}</math> _____</p>  |                                                                                                                                                                  |
| <p><b>Always, Sometimes, Never</b></p> <p>1. A perpendicular bisector is also a median.</p> <p>2. The centroid is the intersection of the perpendicular bisectors.</p>                                   |                                                                                                                                                                                                                          | <p>Connect the midpoints of <math>\overline{AC}</math> &amp; <math>\overline{BC}</math>.</p> <p>How does this segment compare to <math>\overline{AB}</math>?</p> <p>Divide the lengths of <math>\overline{AB}</math> and the new segment.</p>                                                                                                          |                                                                                                                                                                  |

# My Work

|           |          |
|-----------|----------|
| Monday    | Tuesday  |
| Wednesday | Thursday |

# My Progress

| MONDAY                            | TUESDAY                           | WEDNESDAY                         | THURSDAY                          |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| # of questions _____              | # of questions _____              | # of questions _____              | # of questions _____              |
| # correct _____                   | # correct _____                   | # correct _____                   | # correct _____                   |
| I need more help<br>with... _____ | I need more help<br>with... _____ | I need more help<br>with... _____ | I need more help<br>with... _____ |
| _____                             | _____                             | _____                             | _____                             |
| _____                             | _____                             | _____                             | _____                             |
| _____                             | _____                             | _____                             | _____                             |
| _____                             | _____                             | _____                             | _____                             |
| _____                             | _____                             | _____                             | _____                             |