

Name : \_\_\_\_\_

Score : \_\_\_\_\_

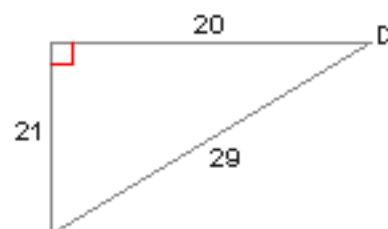
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

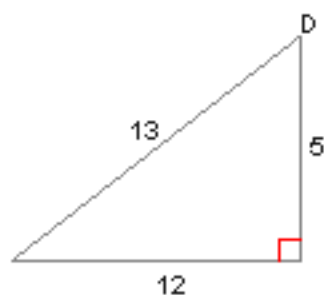
### Inverse Trigonometric Ratios

Find the measure of the indicated angle to the nearest degree.

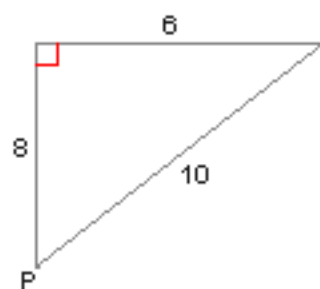
1)  $m\angle D = \underline{\hspace{2cm}}^\circ$



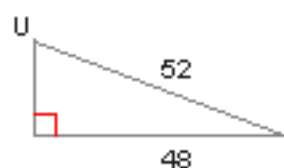
2)  $m\angle D = \underline{\hspace{2cm}}^\circ$



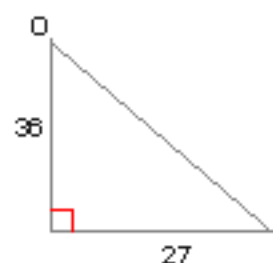
3)  $m\angle P = \underline{\hspace{2cm}}^\circ$



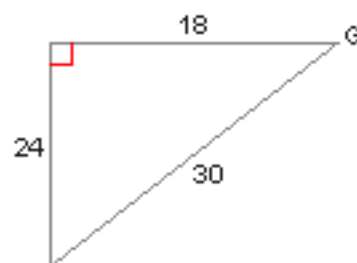
4)  $m\angle U = \underline{\hspace{2cm}}^\circ$



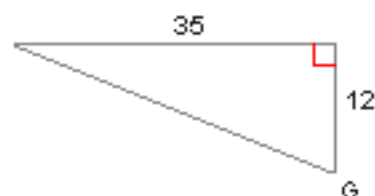
5)  $m\angle O = \underline{\hspace{2cm}}^\circ$



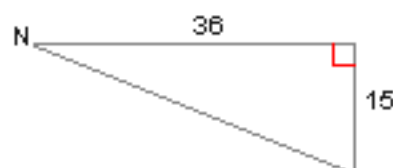
6)  $m\angle G = \underline{\hspace{2cm}}^\circ$



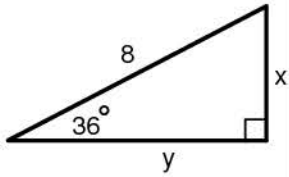
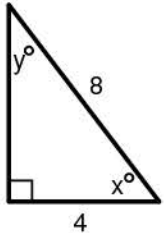
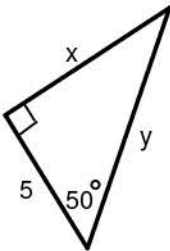
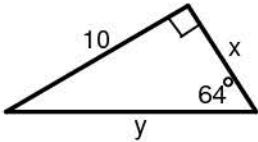
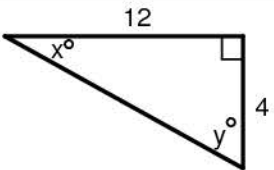
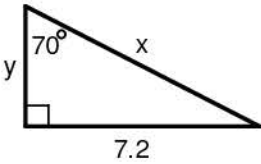
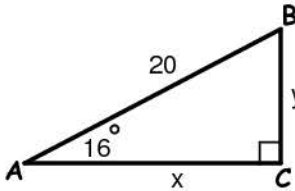
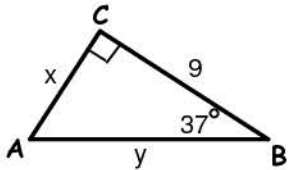
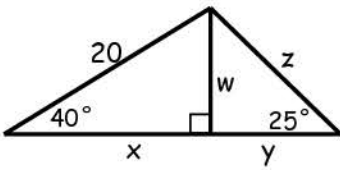
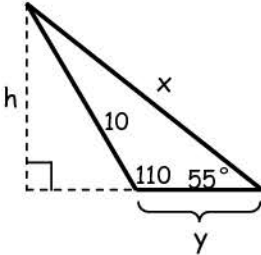
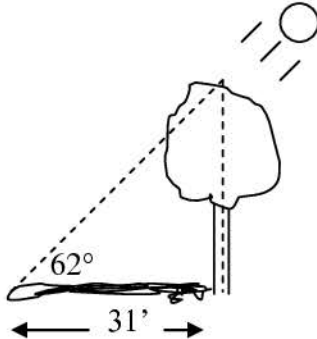
7)  $m\angle G = \underline{\hspace{2cm}}^\circ$



8)  $m\angle N = \underline{\hspace{2cm}}^\circ$



For each of the following, write the equation to find the missing value. Then rewrite the equation that you will enter in your calculator. Round your final answer to the nearest tenth.

<p>1. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 	<p>2. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 
<p>3. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 	<p>4. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 
<p>5. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 	<p>6. <math>x \approx</math> _____ <math>y \approx</math> _____</p> 
<p>7. <math>x \approx</math> _____ <math>y \approx</math> _____ <math>m\angle B =</math> _____</p> 	<p>8. <math>x \approx</math> _____ <math>y \approx</math> _____ <math>m\angle A =</math> _____</p> 
<p>9. <math>w \approx</math> _____ <math>x \approx</math> _____ <math>y \approx</math> _____ <math>z \approx</math> _____</p> 	<p>10. <math>h \approx</math> _____ <math>x \approx</math> _____ <math>y \approx</math> _____</p> 
<p>11. How tall is the tree?</p> 	<p>12. A man who is 6 feet tall is flying a kite. The kite string is 75 feet long. If the angle that the kite string makes with the line horizontal to the ground is <math>35^\circ</math>, how far above the ground is the kite?</p>