



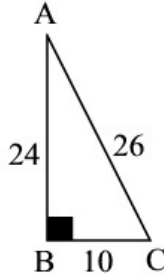
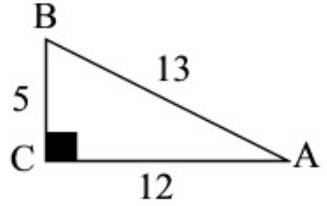
# Beginning Trig

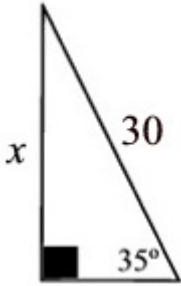
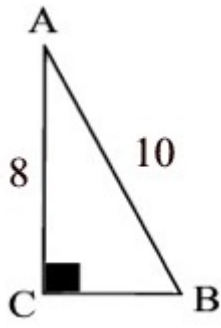
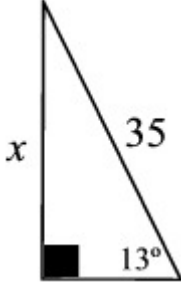
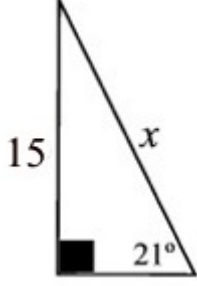
Name \_\_\_\_\_

## Twisters

Name \_\_\_\_\_

**Directions:** You and your partner will work together to solve these trigonometry related problems. You solve the problems on the left and your partner will solve the problems on the right. When you are done, your answers will match - but the answers are NOT in the same order in both columns. Use your calculator and round answers to the nearest tenth, unless stated otherwise.

<p>1. Find: 6 times <math>\cos(0^\circ)</math></p>	<p>1. What is the product of: <math>(\cos 45^\circ)(\sin 45^\circ)(\sin 30^\circ)</math> ?</p>
<p>2. In right <math>\triangle ABC</math>, with right angle at <math>B</math>, the <math>\sin A = 0.7</math>. Find <math>A</math> to the nearest degree.</p>	<p>2. Find: 17 times <math>\tan 45^\circ</math></p>
<p>3. What is the product of: <math>7(\sin 45^\circ)(\cos 45^\circ)</math> ?</p>	<p>3.  Express <math>\sin A</math> as a fraction:</p>
<p>4.  Express <math>\cos B</math> as a fraction.</p>	<p>4. With right <math>\triangle DEF</math>, with right angle at <math>E</math>, the <math>\tan D = 0.8</math>. Find <math>D</math> to the nearest degree.</p>
<p>5. Which of the following is <math>\cos(45^\circ)</math>?</p> <p>1) 0.5      2) 0.6 3) 0.7      4) 1.0</p>	<p>5. Which of the following is <math>\cos(50^\circ)</math>?</p> <p>1) 1.0      2) 0.5 3) 0.3      4) 0.6</p>

<p>6.  Find <math>x</math> to the nearest integer.</p>	<p>6.  Find <math>CB</math>.</p>
<p>7. What is the value of <math>\frac{1}{2}(\sin 30^\circ)</math>?</p>	<p>7.  In this problem, <math>x</math> is:</p> <ol style="list-style-type: none"> <li>1) 3.5</li> <li>2) 7.0</li> <li>3) 7.9</li> <li>4) 4.5</li> </ol>
<p>8.  In this problem, <math>x</math> to the nearest integer is:</p> <ol style="list-style-type: none"> <li>1) 5</li> <li>2) 55</li> <li>3) 54</li> <li>4) 42</li> </ol>	<p>8. In right <math>\triangle ABC</math>, <math>\tan A = 0.96</math>. Find <math>A</math> to the nearest degree.</p>
<p>9. In right <math>\triangle ABC</math>, <math>\sin A = 0.63</math>. Find <math>A</math> to the nearest degree.</p>	<p>9. What is the value of <math>\tan(74^\circ)</math> to the nearest tenth?</p>