

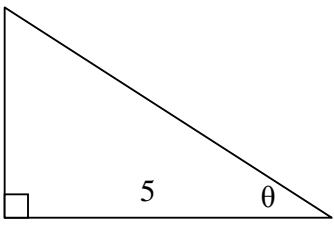
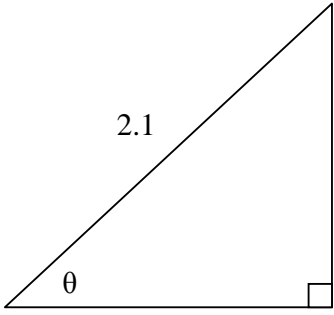
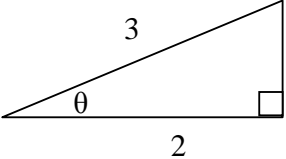
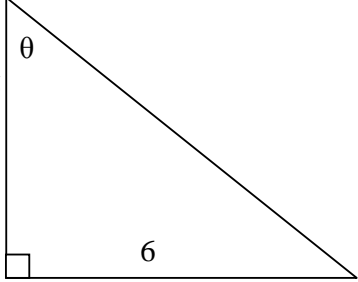
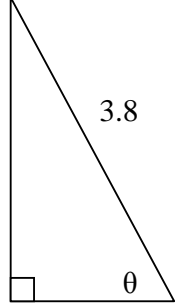
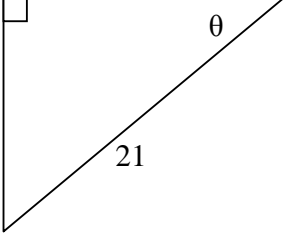
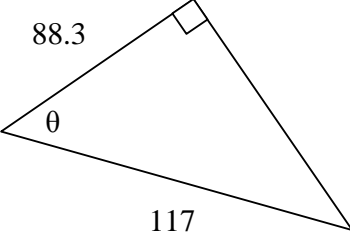
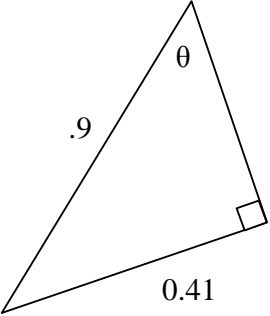
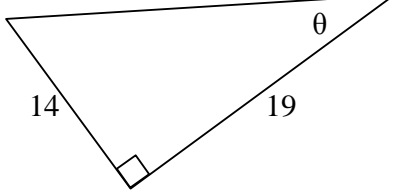
Name: _____

Trigonometry Practice-Makes-Perfect Help Sheet

Part I

Find each unknown angle θ for each of these right triangles.

Note: the drawings are *not* to scale. Please show your work.

<p>1. Ex: $\tan \theta = \frac{3.1}{5}$, so $\theta = \tan^{-1}\left(\frac{3.1}{5}\right)$, thus $\theta = 31.8^\circ$</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 	<p>5.</p> 	<p>6.</p> 
<p>7.</p> 	<p>8.</p> 	<p>9.</p> 

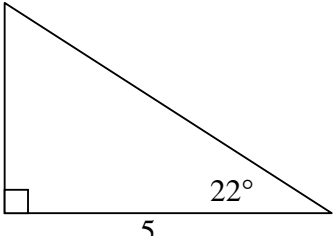
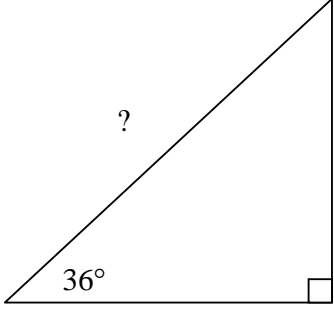
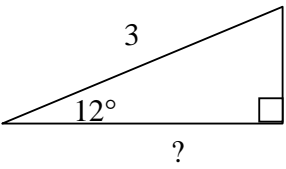
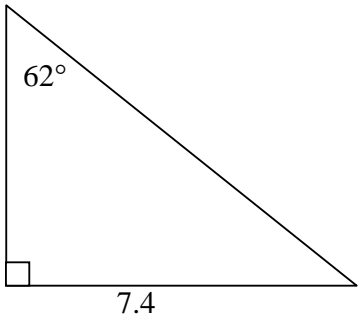
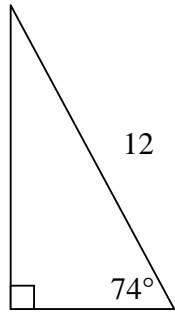
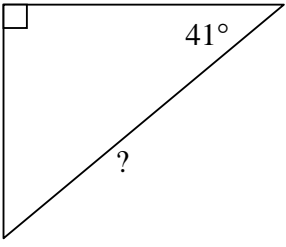
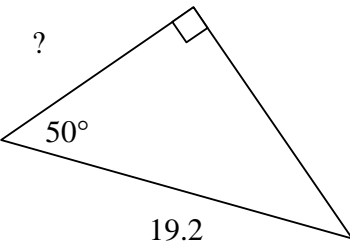
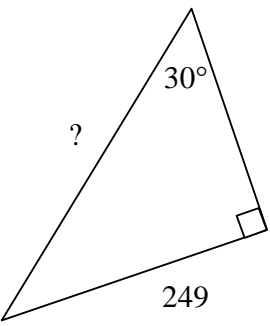
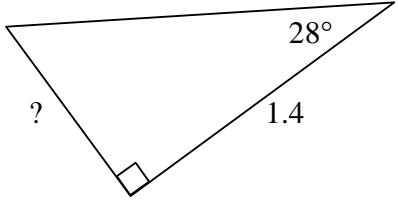
Answers: 2) 41.8° , 3) 48.2° , 4) 50.5° , 5) 39.2° , 6) 38.2° , 7) 41.0° , 8) 27.1° , 9) 36.4°

Trigonometry Practice-Makes-Perfect Help Sheet

Part II

Find each unknown quantity '?' for each of these right triangles.

Note: the drawings are *not* to scale.

<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 	<p>5.</p> 	<p>6.</p> 
<p>7.</p> 	<p>8.</p> 	<p>9.</p> 

Answers: 1) 2.02 2) 11.91 3) 2.93 4) 3.93 5) 11.54 6) 19.88 7) 12.34 8) 498 9) 0.74