

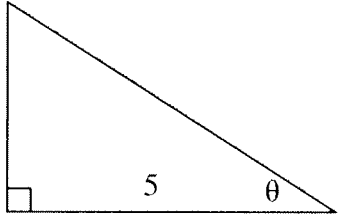
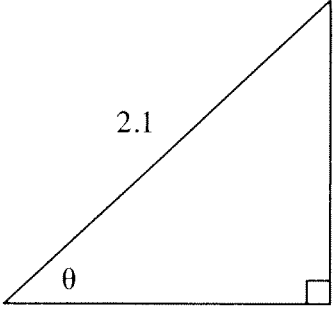
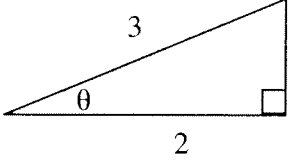
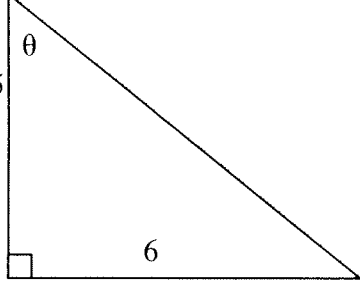
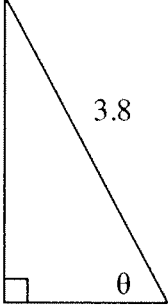
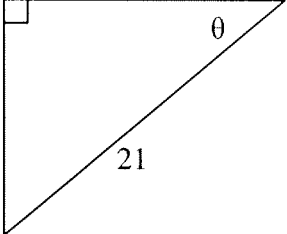
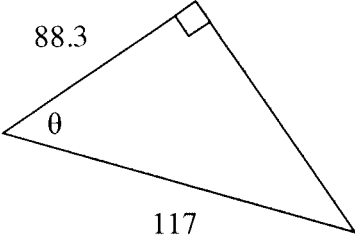
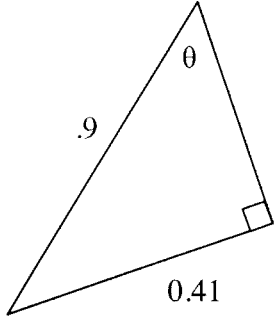
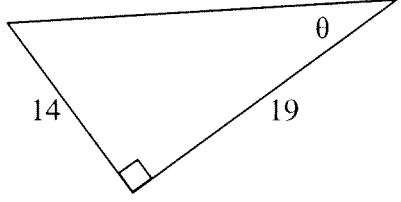
Name: \_\_\_\_\_

# Trigonometry Practice-Makes-Perfect Help Sheet

## Part I

Find each unknown angle  $\theta$  for each of these right triangles.

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

<p>1. Ex: <math>\tan \theta = \frac{3.1}{5}</math>, so <math>\theta = \tan^{-1}\left(\frac{3.1}{5}\right)</math>, thus <math>\theta = 31.8^\circ</math></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> 

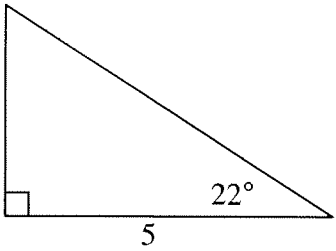
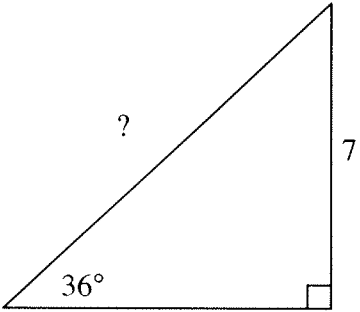
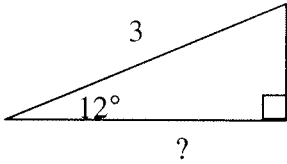
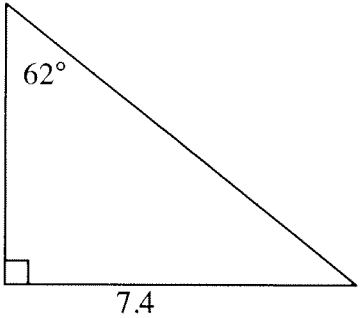
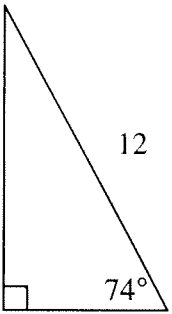
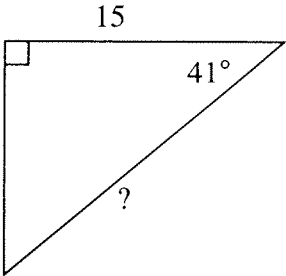
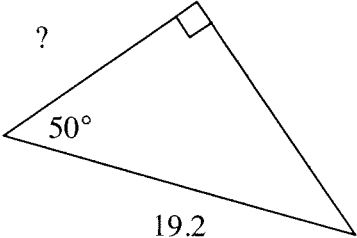
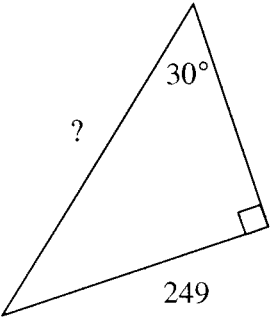
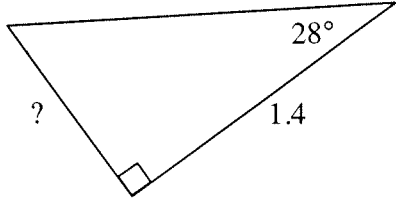
Answers: 2)  $41.8^\circ$ ; 3)  $48.2^\circ$ ; 4)  $50.5^\circ$ ; 5)  $39.2^\circ$ ; 6)  $38.2^\circ$ ; 7)  $41.0^\circ$ ; 8)  $27.1^\circ$ ; 9)  $36.4^\circ$

# 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) 49.8 9) 0.74