



Trig Twisters

10/10

Name: _____
Date: _____

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 as the problems. Use your calculator and round answers to the nearest tenth unless stated otherwise.

Find $\sin \theta$ in $\triangle ABC$.

Given: $\theta = 37^\circ$

What is the product of $\sin \theta$ and $\cos \theta$ in $\triangle ABC$?

$\sin \theta = \frac{3}{5}$
 $\cos \theta = \frac{4}{5}$
 $\frac{3}{5} \cdot \frac{4}{5} = \frac{12}{25}$

In right triangle ABC , with right angle at B , the side $AC = 10$. Find A to the nearest degree.

Given: $\theta = 37^\circ$

Find $\sin \theta$ in $\triangle ABC$.

Given: $\theta = 37^\circ$

What is the product of $\sin \theta$ and $\cos \theta$ in $\triangle ABC$?

Express $\sin \theta$ as a fraction.

$\frac{3}{5}$

Express $\cos \theta$ as a fraction.

In right triangle ABC , with right angle at B , the side $AC = 10$. Find B to the nearest degree.

Given: $\theta = 37^\circ$