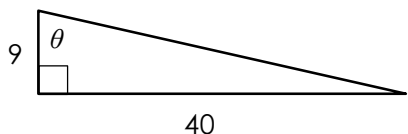# Trigonometric Functions
At–Home Work

Quiz 5-2: Trigonometric Functions

Give the exact values for the trigonometric function of angle θ.
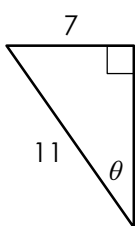
1.

$\sin \theta =$ _____ $\csc \theta =$ _____

$\cos \theta =$ _____ $\sec \theta =$ _____

$\tan \theta =$ _____ $\cot \theta =$ _____

2.
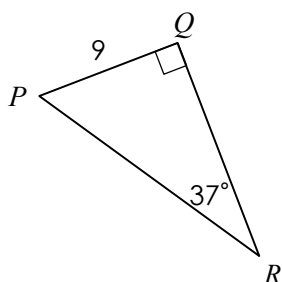

$\sin \theta =$ _____ $\csc \theta =$ _____

$\cos \theta =$ _____ $\sec \theta =$ _____

$\tan \theta =$ _____ $\cot \theta =$ _____

3. Solve the triangle below. Round measures to the nearest tenth when necessary.

$QR =$ _____

$PR =$ _____

$m\angle P =$ _____

4. The angle of elevation from a ball on a football field to the top of a 30-foot tall goal post is $16°42'$. How far is the football from the base of the goal post? Round to the nearest tenth of a foot.

4. _____

5. Kara is zip-lining in the rainforest. She is standing at the top of Platform A ready to zip-line to Platform B. If the horizontal distance between the platforms is 500 feet and the length of the zip-line is 685 feet, find the angle of depression from Platform A to Platform B to the nearest tenth.

5. _____