

Trigonometry Review

For each problem,
draw a diagram.
Give answers in
reduced form. No
calculators!

Find the exact value of $\tan -135^\circ$.

Angle A is in standard position. If the terminal side of A passes through $(-12, -5)$, what is $\csc A$?

In what quadrant does the terminal side of angle B lie if $\cos B > 0$ but $\tan B < 0$?

Find the exact value of $\sin 180^\circ$.

If $\cos C = -\frac{2}{3}$ and $\tan C > 0$, find $\cot C$.

What is the quadrant and reference angle for 530° ?

Find the exact value of $\csc -150^\circ$.

If $0 \leq C < 360^\circ$, what are all angles C such that $\tan C = -1$?

In right triangle ANG , G is the right angle. If $a = 12$ and $g = 15$, what would you type on your calculator to find N ?

A rock climber reaches the summit of a cliff. Her spotter is standing such that the angle of depression from the top of the cliff to the spotter is 43° . If the cliff face is 125 feet tall, what expression will you type in the calculator to determine how far the spotter is standing from the base of the cliff?

If $0 \leq C < 360^\circ$, what are all angles C such that $\cos C = 0$?

Find the exact value of $\sec 270^\circ$.

Find the exact value of $\sin 300^\circ$.