

Trigonometric Functions

1. Find the value of $\sec \theta$ and $\sin \theta$ given the point on the terminal side $(-2, 10)$
2. Find the 6 trigonometric values for the angle 270° .
3. $\tan 330^\circ$
4. Given $\tan \theta = \frac{2}{10}$, find $\cos \theta$.
5. Find the 6 trigonometric values for the angle 135° .

6. Given $\sec 63^\circ = \frac{3}{7}$, find $\csc 27^\circ$.

7. Match the six trigonometric functions with their reciprocal functions.

Sine

Secant

Cosine

Cotangent

Tangent

Cosecant

8. Match the six trigonometric functions with their ratios.

Cosine

y/r

Tangent

x/r

Cosecant

y/x

Sine

r/y

Secant

r/x

Cotangent

x/y

9. Match the six trigonometric functions with their cofunctions.

Secant

Cotangent

Tangent

Cosine

Sine

Cosecant

10. Match the signs of the trigonometric functions in Quadrant 3.

Sine

+

Cosine

--

Tangent

+

Cosecant

--

Secant

--

Cotangent

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