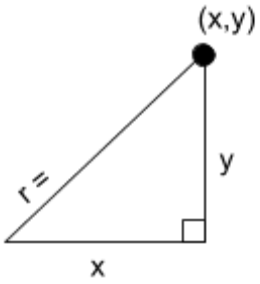


$\sin\theta =$ $\cos\theta =$ $\tan\theta =$

$\csc\theta =$ $\sec\theta =$ $\cot\theta =$

1. The terminal side of an angle θ in standard position passes through the point $(8, -6)$. Find the values of the six trigonometric functions of angle θ.

$\sin\theta =$ $\cos\theta =$ $\tan\theta =$

$\csc\theta =$ $\sec\theta =$ $\cot\theta =$

2. Find the six trigonometric functions of the angle θ in standard position, if the terminal side of θ is defined by $3x - 2y = 0,\ x \le 0$.

$\sin\theta =$ $\cos\theta =$ $\tan\theta =$

$\csc\theta =$ $\sec\theta =$ $\cot\theta =$

3. Find the six trigonometric functions for an angle θ in standard position with terminal side passing through $(0,-5)$.

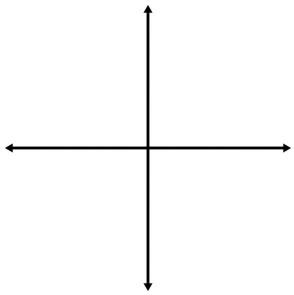
$\sin\theta =$ $\cos\theta =$ $\tan\theta =$

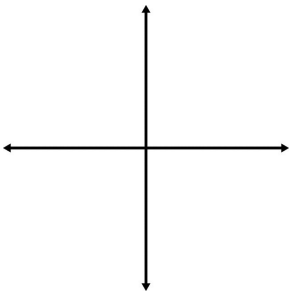
$\csc\theta =$ $\sec\theta =$ $\cot\theta =$

Reciprocal Identities		
$\sin\theta =$	$\cos\theta =$	$\tan\theta =$
$\csc\theta =$	$\sec\theta =$	$\cot\theta =$

4. Find each function value:
   a. $\tan\theta$, given that $\cot\theta = 4$ b. $\sec\theta$, given that $\cos\theta = -\frac{2}{\sqrt{20}}$

Signs of Trigonometric Function Values





5. Determine the signs of the trigonometric functions of an angle in standard position with the given measure
   a. 260° b. -60°

$\sin\theta =$ $\csc\theta =$	$\sin\theta =$ $\csc\theta =$
$\cos\theta =$ $\sec\theta =$	$\cos\theta =$ $\sec\theta =$
$\tan\theta =$ $\cot\theta =$	$\tan\theta =$ $\cot\theta =$

6. Identify the quadrant (or possible quadrants) of an angle θ that satisfies the given condition: $\tan\theta > 0,\ \csc\theta < 0$

7. Proof time! See if you can determine what these identities are equal to:

Identities		
$\frac{\sin\theta}{\cos\theta} =$	$\frac{\cos\theta}{\sin\theta} =$	
$\sin^2\theta + \cos^2\theta =$	$\tan^2\theta + 1 =$	$1 + \cot^2\theta =$

8. Find $\cos\theta$ and $\tan\theta$, given that $\sin\theta = -\frac{\sqrt{2}}{3}$ and $\cos\theta > 0$