

Trigonometry Worksheet 2

1. If θ is angle between the line joining the origin and the point $P(4, 3)$ and x -axis, find $\csc \theta$.
2. If θ is angle between the line joining the origin and the point $P(-5, 5)$ and x -axis, find $\tan \theta$.
3. If θ is angle between the line joining the origin and the point $P(-9, -40)$ and x -axis, find $\cos \theta$.
4. Give the signs of the six trigonometric functions for each angle $\frac{\pi}{6}$.
5. Give the signs of the six trigonometric functions for each angle $\frac{2\pi}{3}$.
6. Give the signs of the six trigonometric functions for each angle $\frac{5\pi}{4}$.
7. Give the signs of the six trigonometric functions for each angle $\frac{11\pi}{6}$.
8. Given $\cos(\theta) = -\frac{3}{5}$ with θ in quadrant III, find $\tan \theta$.
9. Given $\sin(\theta) = \frac{45}{53}$ with θ in quadrant III, find $\cos \theta$.
10. Given $\tan(\theta) = \frac{3}{4}$ with θ in quadrant III, find $\sin \theta$.