

Pre-Calculus

Day 4: August 26, 2020

Formative Ticket #4

The terminal side of an angle θ in standard position passes through the indicated point. Calculate the values of the three primary trigonometric functions for angle θ .

1. (3,6)
2. (8,4)
3. (-1, 3)
4. (-4, -7)

Indicate the quadrant in which the terminal side of angle θ must lie in order for the information to be true.

5. $\cos \theta$ is positive and $\sin \theta$ is negative
6. $\cos \theta$ is negative and $\sin \theta$ is positive
7. $\tan \theta$ is negative and $\sin \theta$ is positive
8. $\sin \theta$, $\cos \theta$, and $\tan \theta$ are all positive

9. The terminal side of an angle θ in standard position passes through the point (-3,-5). Calculate the values of the three primary trigonometric functions ($\cos$, $\sin$, $\tan$) for angle θ .

10.

If $\sin \theta = -\frac{3}{4}$ and the terminal side of angle θ lies in quadrant III, find $\cos \theta$.

