

Math 1613 - Trigonometry

Quiz #4 - 2018.08.29

Solutions

1. In which quadrants is $\cos(\theta) > 0$?

Since $\cos(\theta)$ is x/r , we need $x > 0$ which is true for quadrants I and IV.

2. Find all angles θ for which $\tan(\theta) = -1$ for $0^\circ \leq \theta < 360^\circ$.

Since $\tan(\theta) = y/x$, we need to find values where $x = -y$, which happens to be along the line $y = -x$, which means $\theta = 135^\circ, 315^\circ$.