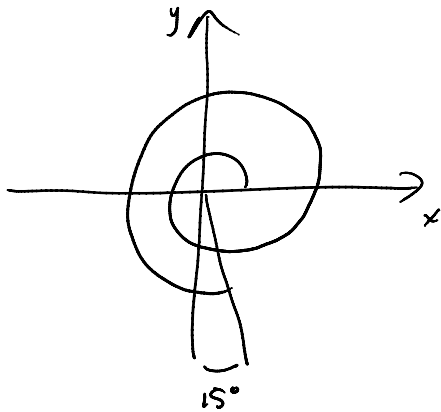


Section 6.1-6.3: Review

Monday, February 15, 2016
9:59 AM

For the angle in the diagram below, calculate the size of the angle and give one positive and one negative coterminal angle. Also, state the reference angle.



angle: 645°

coterminals: $285^\circ, -75^\circ$

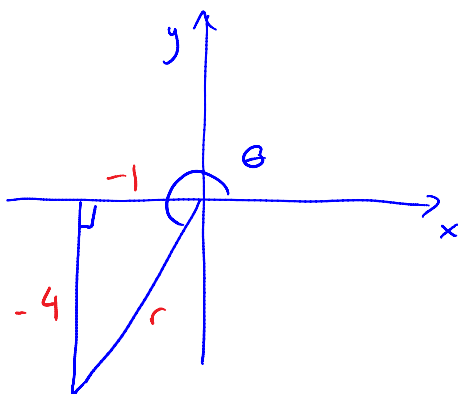
reference: 75°

If $\tan \theta = 4$ and $\sin \theta$ is negative, find the exact values of the other five trig functions of θ .

Q I, II

Q III or IV

So θ is in Q IV



$$\begin{aligned} a^2 + b^2 &= c^2 \\ 1 + 16 &= r^2 \\ r &= \sqrt{17} \end{aligned}$$

$\sin \theta = \frac{-4}{\sqrt{17}} = \frac{-4\sqrt{17}}{17}$	$\csc \theta = \frac{-\sqrt{17}}{4}$
$\cos \theta = \frac{-1}{\sqrt{17}} = \frac{-\sqrt{17}}{17}$	$\sec \theta = -\sqrt{17}$
$\tan \theta = 4$	$\cot \theta = \frac{1}{4}$