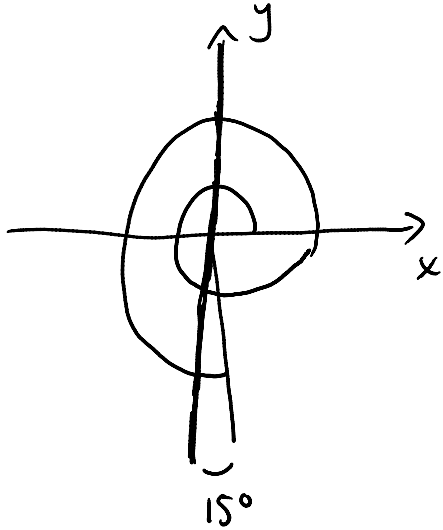


Section 6.1-6.3: Review

Monday, February 16, 2015
2:06 PM

For the angle in the diagram below, calculate the angle and give a negative coterminal angle. Also, state the reference angle.



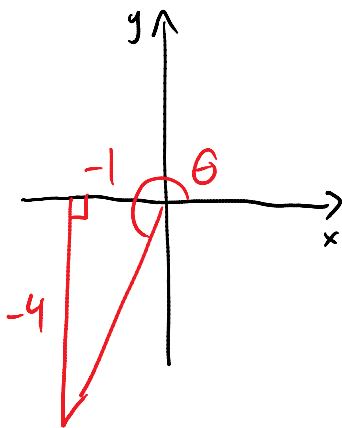
angle: 195°

coterminal: -75°

reference: 75°

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

θ is in QIII



$$c^2 = a^2 + b^2$$

$$= 1^2 + 4^2$$

$$c = \sqrt{17}$$

$$\sin \theta = \frac{-4}{\sqrt{17}} = \frac{-4\sqrt{17}}{17} \quad \left| \quad \csc \theta = \frac{-\sqrt{17}}{4}$$

$$\cos \theta = \frac{-1}{\sqrt{17}} = \frac{-\sqrt{17}}{17} \quad \left| \quad \sec \theta = -\sqrt{17}$$

$$\tan \theta = 4 \quad \left| \quad \cot \theta = \frac{1}{4}$$