

Student Name: _____

Score: _____

Use unit circle to find the missing ratios

Let $\cos \theta = -\frac{7}{25}$, $90^\circ < \theta < 180^\circ$ i.e. $\frac{\pi}{2} < \theta < \pi$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$

$\tan \theta =$

$\sec \theta =$

$\csc \theta =$

$\cot \theta =$

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Unit circle to find the trigonometric ratio

Let $\tan \theta = \frac{1}{\sqrt{3}}$, $\pi < \theta < \frac{3\pi}{2}$, i.e. $180^\circ < \theta < 270^\circ$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$

$\sec \theta =$

$\sin \theta =$

$\csc \theta =$

$\cot \theta =$

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Unit circle to find the trigonometric ratio

Let $\sin \theta = \frac{4}{5}$, $90^\circ < \theta < 180^\circ$

ie. $\frac{\pi}{2} < \theta < \pi$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$

$\tan \theta =$

$\sec \theta =$

$\csc \theta =$

$\cot \theta =$