

Verify - Allied angles

Verify the following.

1) $\cos\left(\frac{\pi}{2} + \theta\right) \sec(-\theta) \tan\left(\frac{3\pi}{2} - \theta\right) = -1$

2) $\frac{\sin(180^\circ + \theta) \csc(-\theta)}{\sec(-\theta)}$

3) $\cot(270^\circ - \theta) + \csc(-\theta) = \cot \theta$

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Verify the following.

4) $\tan (180^\circ + \theta) + \tan (90^\circ - \theta) = \frac{1}{\sin \theta \cos \theta}$

5) $\sin (90^\circ - \theta) \csc \theta = 1$

6) $\tan 720^\circ - \cos 60^\circ = \frac{1}{2}$

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