

Verify - Allied angles

Verify the following.

1)
$$\frac{\csc(-\theta) \cos(180^\circ + \theta)}{\tan(180^\circ - \theta) \cot(90^\circ - \theta)} = -\cot^3 \theta$$

2) $\sec(2\pi + \theta) \cot$

3) $\sin \frac{25\pi}{6} \cos \frac{2\pi}{3}$

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Verify - Allied angles

Verify the following.

4) $\frac{\sec (90^{\circ} - \theta)}{\cos (270^{\circ} + \theta)} = \csc^2 \theta$

5) $\sec (2\pi - \theta) - \sin$

6) $\frac{\cos (90^{\circ} - \theta)}{\tan (180^{\circ} + \theta)}$

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