

Periodic Identities

Use periodic identities to find the exact value of each trigonometric expression.

1) $\frac{\sec 360^\circ}{\sin 1470^\circ}$

2) $\sin \frac{7\pi}{3} + \cos \frac{7\pi}{3}$

3) $\frac{\sec 2}{\cos \frac{13\pi}{6} +}$

$\cos 390^\circ$

5) $3 \sin 405^\circ$

$\tan \frac{13\pi}{3} + \sin \pi$

7) $\sec 720^\circ + 9 + \tan 570^\circ$

8) $4 \csc 780^\circ \cos 420^\circ$

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