

Even / Odd Identities

Use even-odd identities to find the exact value of each trigonometric expression.

1) $\frac{-\sec(-45^\circ)}{\csc(-30^\circ) \sin(-30^\circ)}$

2) $\cos\left(-\frac{\pi}{6}\right) + 2 - \sec\left(-\frac{\pi}{3}\right)$

3) $\cos\left(-\frac{\pi}{2}\right)$

$-\tan(-60^\circ)$

5) $\frac{\sec(-60^\circ)}{\csc(-90^\circ)}$

$\left. \right) + \sin\left(-\frac{\pi}{4}\right)$

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7) $\csc(-45^\circ) + 7$

8) $15(3 - 4 \sec(-30^\circ))$

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 $-\sqrt{2}$ $\frac{\sqrt{3}}{2}$

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 $-\tan(-60^\circ)$

0

-5

 $\left. \right) + \sin\left(-\frac{\pi}{4}\right)$

-2

 $\frac{\sqrt{2}}{2}$ $7 - \sqrt{2}$ $5(9 - 8\sqrt{3})$