

Evaluate

Evaluate each expression using allied angles.

1) $\cos \frac{43\pi}{6} + \csc \frac{35\pi}{6}$

2) $\sin^3 1590^\circ - \csc^3 225^\circ$

3) $\tan\left(-\frac{11\pi}{3}\right) + \csc\left(-\frac{11\pi}{3}\right)$

$\cos(-870^\circ)$
 $\frac{\cos(-870^\circ)}{200^\circ}$

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5) $\frac{\sin(-900^\circ)}{9 \cot 210^\circ}$

$\csc \frac{5\pi}{3} + \tan \frac{2\pi}{3}$