

## Evaluate - Allied Angles

Evaluate each expression.

1)  $3 \sin^2 3\pi + 2 \sec^2 \frac{11\pi}{4}$

2)  $\frac{\csc 570^\circ}{\cot 675^\circ} + \tan 360^\circ$

3)  $\sin 480^\circ \sin 720^\circ$

$\sec \frac{37\pi}{6}$

5)  $\tan\left(-\frac{11\pi}{3}\right) + \csc\left(-\frac{7\pi}{6}\right)$

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

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**4****PREVIEW**

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**$\frac{2\sqrt{3} + 3}{2}$**

**$\frac{\sqrt{3}}{4}$**