

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

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

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

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

$\cos(-870^\circ)$   
 $200^\circ$

**4****PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com) **$\frac{3}{4}$** 

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

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