

Evaluate - Trigonometric Ratios

Evaluate each expression.

1) $\frac{\sec 60^\circ + \sin 90^\circ}{2 - \tan 60^\circ \cot 45^\circ}$

2) $\cos 90^\circ \csc 60^\circ \tan 30^\circ$

3) $\sec^2 \frac{\pi}{4} - \cot^2 \frac{\pi}{6}$

$\cos 45^\circ \sec 60^\circ$

5) $\sin 30^\circ \cot 90^\circ$

$\frac{\cot^3 \frac{\pi}{6}}{2 \frac{\pi}{3}}$

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$\cot^3 \frac{\pi}{6}$
 $\frac{2}{3}$

$3(2 + \sqrt{3})$

0

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$\frac{2\sqrt{2}}{2}$

$\frac{5}{3}$

$\frac{4(2 + 3\sqrt{3})}{3}$