

Evaluate

Evaluate each expression.

1) $2 + \frac{\tan 30^\circ \csc 45^\circ \sec 30^\circ}{\sin 0^\circ + \cos 30^\circ}$

2) $\csc^2 \frac{\pi}{4} \cot^3 \frac{\pi}{3} + 7 \sin^2 \frac{\pi}{3}$

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

$\frac{\tan 60^\circ}{\cos 90^\circ}$

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5) $\frac{\cot 45^\circ + \cos 30^\circ}{8 \tan 30^\circ \csc 45^\circ}$

$\tan 30^\circ \cot 90^\circ - \frac{8}{7}$

Evaluate

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1) $2 + \frac{\tan 30^\circ \csc 45^\circ \sec 30^\circ}{\sin 0^\circ + \cos 30^\circ}$

2) $\csc^2 \frac{\pi}{4} \cot^3 \frac{\pi}{3} + 7 \sin^2 \frac{\pi}{3}$

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

5) $\frac{\cot 45^\circ + \csc 30^\circ}{8 \tan 30^\circ \csc 60^\circ}$

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$\frac{2\sqrt{3} + 3}{16}$

$-\frac{8}{7}$