

Evaluate

Evaluate each expression.

1) $8 + \cot^3 90^\circ$

2) $\frac{\csc 60^\circ}{\cot 30^\circ \sec 45^\circ}$

3) $\frac{3}{\cot^3 \frac{\pi}{3} + 5 \sec^2 \frac{\pi}{6}}$

$\cot^2 30^\circ \csc^2 60^\circ$

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5) $\cot 30^\circ + \sec^2 60^\circ$

$\frac{\pi}{3} - \cot \frac{\pi}{4}$

Evaluate

Evaluate each expression.

1) $8 + \cot^3 90^\circ$

2) $\frac{\csc 60^\circ}{\cot 30^\circ \sec 45^\circ}$

8

3) $\frac{3}{\cot^3 \frac{\pi}{3} + 5 \sec^2 \frac{\pi}{3}}$

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$\cot^2 30^\circ \csc^2 60^\circ$

 $\frac{9\sqrt{3}}{41}$

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5) $\cot 30^\circ + \sec 60^\circ$

$\frac{\pi}{3} - \cot \frac{\pi}{4}$

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