

Evaluate

Evaluate each expression.

1) $\frac{\sin^2 45^\circ + \csc^3 30^\circ \cos 0^\circ}{\sec^2 30^\circ \cot^2 60^\circ - \csc 90^\circ}$

2) $\csc 60^\circ \cos 90^\circ \tan 45^\circ \sec 0^\circ$

3) $\cos 60^\circ + \sin$

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$\frac{\csc^2 \frac{\pi}{4}}{\cos \frac{\pi}{6} - \tan^2 0}$

5) $9 \csc \frac{\pi}{6} \sec$

$\frac{\sin 90^\circ}{\cot 45^\circ}$

Evaluate

Evaluate each expression.

1)
$$\frac{\sin^2 45^\circ + \csc^3 30^\circ \cos 0^\circ}{\sec^2 30^\circ \cot^2 60^\circ - \csc 90^\circ}$$

2) $\csc 60^\circ \cos 90^\circ \tan 45^\circ \sec 0^\circ$

3) $\cos 60^\circ + \sin 30^\circ$

5) $9 \csc \frac{\pi}{6} \sec \frac{\pi}{3}$

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$$-\frac{153}{10}$$

0

$$\frac{\cos \frac{\pi}{6} - \tan^2 0}{\cos \frac{\pi}{6} + \csc^2 \frac{\pi}{4}}$$

$$\frac{3 + \sqrt{6}}{2}$$

$$\frac{+41}{4}$$

$$\frac{\sin 90^\circ}{\cot 45^\circ}$$

$$37$$

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