Name : _____

Evaluate

Evaluate each expression.

1) $\dfrac{\sin^2 0^0}{\cot^3 45^0} + \dfrac{\tan^2 45^0}{\csc^3 30^0} - \sec^3 0^0$

2) $\dfrac{3\left(\csc \dfrac{\pi}{4} - \sec \dfrac{\pi}{6}\right)}{\tan \dfrac{\pi}{3} \, \sin \dfrac{\pi}{2} \, \cos \dfrac{\pi}{4}}$

3) $\sec^2 \dfrac{\pi}{4} - \cot$ $4 \cos 0^0 \sec^3 60^0$

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5) $\dfrac{\cot 30^0}{5 - \sin 30^0} + $ $\dfrac{n \dfrac{\pi}{6} - \sec \dfrac{\pi}{4}}{\cdot \sec \dfrac{\pi}{3}}$