

Evaluate - Fundamental Identities

Evaluate each expression.

1) $\frac{4(\sin^2 33^\circ \csc^2 57^\circ + 1)}{\csc^2 57^\circ \cot^2 30^\circ}$

2) $\tan \frac{\pi}{18} \cot \frac{\pi}{18}$

3) $5 \sin 19^\circ \cot 19^\circ$

$\frac{\tan^2 84^\circ}{\sin 60^\circ}$

5) $\sin^2 \frac{2\pi}{7} + \cos^2 \frac{2\pi}{7}$

$\frac{1}{64^\circ} - 12$

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1) $\frac{4(\sin^2 33^\circ \csc^2 57^\circ + 1)}{\csc^2 57^\circ \cot^2 30^\circ}$

2) $\tan \frac{\pi}{18} \cot \frac{\pi}{18}$

 $\frac{4}{3}$

3) $5 \sin 19^\circ \cot 19^\circ$

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$\frac{\tan^2 84^\circ}{\sin 60^\circ}$

 $5\sqrt{2}$

5) $\sin^2 \frac{2\pi}{7} + \cos^2 \frac{2\pi}{7}$

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$\frac{1}{64^\circ} - 12$

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