

Solve

Solve each equation.

1) $x^2 = \tan^3 60^\circ \cot^3 30^\circ$

2) $\cot \frac{\pi}{2} - 13 \cot \frac{\pi}{4} = x + 10$

3) $\frac{x}{8} = \frac{\sin \theta}{\csc^3 \theta}$

PREVIEW

$= 29 - 2x$

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5) $x + \tan 0^\circ$

$\Rightarrow \sec \frac{\pi}{3} = 5x + 15$

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7) $\frac{7x}{3} = \sec^2 \frac{\pi}{6} \sin \frac{\pi}{2}$

8) $6x = \frac{7 \sec 60^\circ}{\tan^2 30^\circ}$