

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

**Solve**

Solve each equation.

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

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

 $\pm 3\sqrt{3}$  $-23$ 

3)  $\frac{x}{8} = \frac{\sin 45^\circ}{\csc^3 45^\circ}$

**PREVIEW** $= 29 - 2x$ 

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 $0$ 

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

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

 $-9\sqrt{2}$ [www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

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

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

 $\frac{4}{7}$  $7$