

Name : _____

Solving Equations

Sheet 3

Solve each equation.

1) $8 \operatorname{cosec}^{-1} x - 2\pi = 0$

2) $-24 \cot^{-1}(3x) = 12\pi$

3) $\sin^{-1}\left(\frac{x+2}{3}\right)$

$\cos^{-1}x - \frac{5\pi}{3} = \frac{\pi}{3}$

5) $\tan^{-1}(6x) =$

$\pi = 0$

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$^{-1}x - \frac{5\pi}{3} = \frac{\pi}{3}$

5) $\tan^{-1}(6x) =$

$\pi = 0$

$x = \frac{\sqrt{3}}{6}$

$x = -1$

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