

Name : _____

Solving Equations

Sheet 1

Solve each equation.

1) $12 \cos^{-1} x - 3\pi = 0$

2) $-6 \sec^{-1} 2x = \pi$

3) $-16 \operatorname{cosec}^{-1} (x - 4) - 2\pi = 0$

5) $\cot^{-1} \left(\frac{x+4}{3} \right) = \frac{\pi}{2}$

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1) $12 \cos^{-1} x - 3\pi = 0$

2) $-6 \sec^{-1} 2x = \pi$

3) $-16 \operatorname{cosec}^{-1} x = \pi$

$4x) - 2\pi = 0$

5) $\cot^{-1} \left(\frac{x+4}{3} \right) = \frac{\pi}{2}$

$x = \frac{1}{4}$

$x = -4$

$x = 1$

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