

M126 Worksheet 6.4 - Equations Involving Inverse Trig Functions

Name _____

1) Solve the equation for x . $3y = \tan 6x$

Solve the equation for exact solutions.

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

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

4) $\arctan x = \arcsin \frac{7}{25}$

Answer Key

Testname: WORKSHEET 6.4 - EQUATIONS WITH INVERSE TRIG

1) $x = \frac{1}{6} \arctan 3y$

2) $\left\{ \frac{\sqrt{3}}{2} \right\}$

3) $\left\{ \frac{\sqrt{3}}{2} \right\}$

4) $\left\{ \frac{7}{24} \right\}$