Accel. Precalculus

Name_____

Rewriting Inverse Trig Expressions

Date_____ Period_____

Write each trigonometric expression as an algebraic expression.

1) $\sec \tan^{-1} x$

2) $\sec \sin^{-1} x$

3) $\cos \sin^{-1} x$

4) $\sin \cos^{-1} x$

5) $\csc \cos^{-1} x$

6) $\sec \cos^{-1} x$

Answers to Rewriting Inverse Trig Expressions

1) $\sqrt{1 + x^2}$

2) $\dfrac{1}{\sqrt{1 - x^2}}$

3) $\sqrt{1 - x^2}$

4) $\sqrt{1 - x^2}$

5) $\dfrac{1}{\sqrt{1 - x^2}}$

6) $\dfrac{1}{x}$