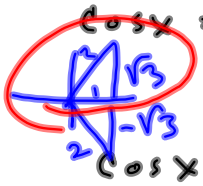
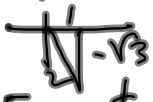
§2.1

$\cos x = \frac{1}{2}$ & $\sin x = \frac{\sqrt{3}}{2}$ Find all things



$\cos x = \frac{1}{2}$ & $\sin x = -\frac{\sqrt{3}}{2}$ .. .. ..



$\csc x = 5$ & $\cos x < 0$ .. .. ..

Sorta like §2.1 Solve

$\cot^2 x + \csc x - 1 = 0$

I like the cofunction IDs, too

S 2.2 Evaluate w/o a calculator.

$\tan^2 63^\circ + \cot^2 16^\circ - \sec^2 74^\circ - \csc^2 27^\circ$

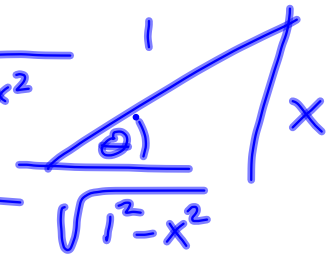
$\tan^2 63^\circ + \csc^2 16^\circ - 1 - \csc^2(16^\circ) - \csc^2 27^\circ$

$\sec^2 63^\circ - 1 - 1 - \csc^2 27^\circ$

$\csc^2(27^\circ) - 2 - \csc^2 27^\circ = -2$

Express as an algebraic expression

$\cos(\sin^{-1}(x)) = \cos\theta = \sqrt{1-x^2}$



S' 2.3

$4\cos^2\theta - 1 = 0$

$2\sin^2(2x) = 1$

(M1) Use Double-angle ID

(M2) Don't use M1 & logic it out.

Apr 11-8:38 AM