

Find a numerical value

1) If $\frac{\cot x}{\cos x} = 2$ find the value of $\sin x$.

2) If $\cos^2 x + 2\sin x - 2 = 0$ find the value of $\sin x$.

3) If $\sin x \cot x = 1$ find the value of $\cos x$.

4) If $\sin x \sec x = 3$ find the value of $\cot x$.