Refer to the $30^{\circ} - 60^{\circ} - 90^{\circ}$ triangle. From there you can see that $\cos 30^{\circ} = \frac{\sqrt{3}}{2}$. It follows that $x = 30^{\circ}$. You may have mistakenly found $\csc x$. You need to find $\cot x$.