

If $\cos 72^\circ = \sin x$, find the number of degrees in the measure of acute angle x.

In $\triangle ABC$, where $\angle C$ is a right angle, $\cos A = \frac{\sqrt{21}}{5}$. What is $\sin B$?

Which value of x satisfies the equation $sin(3x + 5)^{\circ} = cos(4x + 1)^{\circ}$?

In right triangle *ABC* with the right angle at *C*, $\sin A = 2x + 0.1$ and $\cos B = 4x - 0.7$. Determine and state the value of *x*. Explain your answer.



Independent Practice



If $\cos(2x - 25)^\circ = \sin 55^\circ$, find the value of x.

