

Section 7.2: Cofunction and Double-Angle Identities

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11:14 AM

Use the sum/difference identities to simplify:

$$\begin{aligned}\sin\left(\frac{\pi}{2} - x\right) &= \cancel{\sin \frac{\pi}{2}} \cos x - \cancel{\cos \frac{\pi}{2}} \sin x \\ &= \cos x\end{aligned}$$

[this is our more familiar
 $\sin(90^\circ - \theta) = \cos \theta$]

