

3. Hark! The Herald Angles Sing

(Hark! The Herald Angles Sing)

*Hark, the herald angles sing
Trigonometry is king!
Cosine, sine are functions mild
Tangent soon is reconciled.*

*Joyful calculations fly!
Solve for theta, phi, and psi
Inverse functions we proclaim
Bring us angles back again.
Hark, the herald angles sing
Trigonometry is king!*

*What if there is no right angle?
How can we avoid a tangle?
You could use the cosine rule
 a^2 equals b^2 plus...*

*... c^2 minus $2 b c$...
times the cosine of angle A.
Use this well and you might see,
SOH-CAH-TOA's not necessary.
Hark, the herald angles sing
Trigonometry is king!*