Identities/definitions so far

Sine $= \dfrac{opp}{hyp}$

Cosine $= \dfrac{adj}{hyp}$

Tangent $= \dfrac{\sin}{\cos}$

Cosecant $\dfrac{1}{\sin}$

Secant $\dfrac{1}{\cos}$

Cotangent $\dfrac{1}{\tan} = \dfrac{\cos}{\sin}$

$$\sin^2(\theta) + \cos^2(\theta) = 1$$

$$\tan^2(\theta) + 1 = \sec^2(\theta)$$

$$\operatorname{cotan}^2(\theta) + 1 = \operatorname{cosec}^2(\theta)$$

The two acute angles of a right triangle are complementary.

If α and β are complementary, then $\sin(\alpha) = \cos(\beta)$ and $\cos(\beta) = \sin(\alpha)$.