

Trig Identity and Formula Speed Quiz

Fundamental Identities

$$\sec(x) =$$

$$\csc(x) =$$

$$\cot(x) =$$

$$\tan(x) =$$

Pythagorean Identities

i)

ii)

iii)

Addition and Subtraction Formulas

$$\sin(x \pm y) =$$

$$\cos(x \pm y) =$$

$$\tan(x \pm y) =$$

Double Angle Formulas

$$\sin(2x) =$$

$$\cos(2x) =$$

$$\tan(2x) =$$

Power Reducing Formulas

$$\sin^2(x) =$$

$$\cos^2(x) =$$

$$\tan^2(x) =$$

Half-Angle Formulas

$$\sin\left(\frac{x}{2}\right) =$$

$$\cos\left(\frac{x}{2}\right) =$$

$$\tan\left(\frac{x}{2}\right) =$$

Miscellaneous

Law of Sines:

Law of Cosines:
