

You try!

Use formulas below to find the exact value of each.

$$\sin(u + v) = \sin u \cos v + \sin v \cos u$$

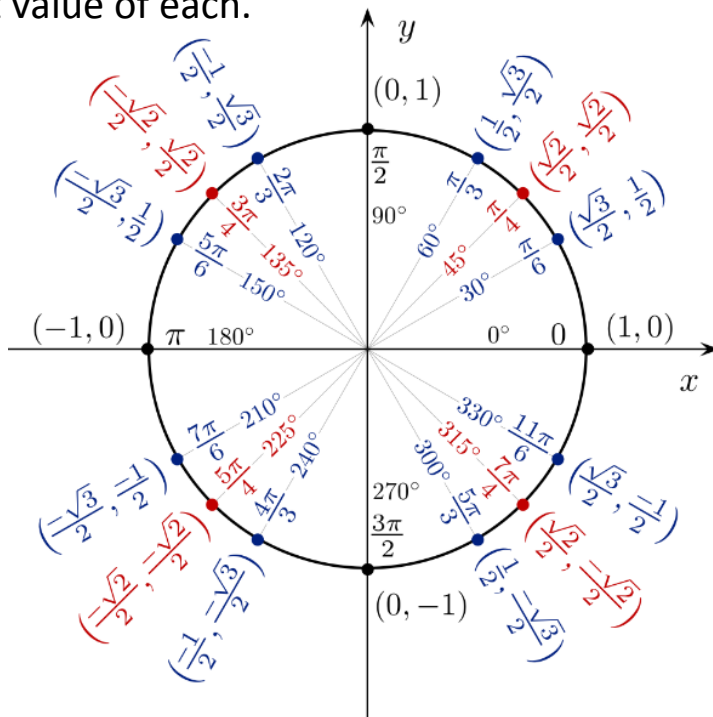
$$\sin(u - v) = \sin u \cos v - \sin v \cos u$$

$$\cos(u + v) = \cos u \cos v - \sin u \sin v$$

$$\cos(u - v) = \cos u \cos v + \sin u \sin v$$

$$\tan(u + v) = \frac{\sin u \cos v + \sin v \cos u}{\cos u \cos v - \sin u \sin v}$$

$$\tan(u - v) = \frac{\sin u \cos v - \sin v \cos u}{\cos u \cos v + \sin u \sin v}$$



1. $\sin 105^\circ$

2. $\cos 75^\circ$

3. $\tan 15^\circ$