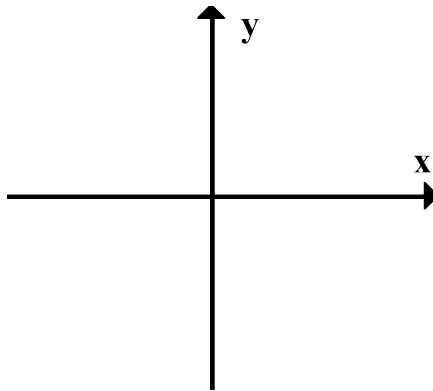


C11 - 2.6 - Unit Circle HW

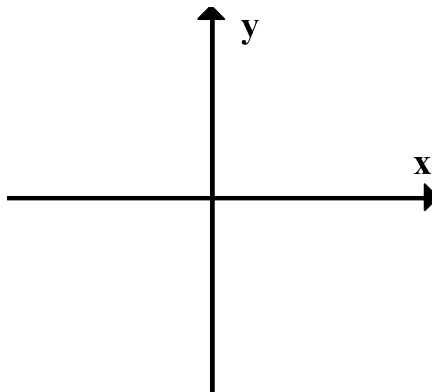
Solve using the Unit Circle



$$\sin 0 = \quad \sin 90 = \quad \sin 180 = \quad \sin 270 = \quad \sin 360 =$$

$$\cos 0 = \quad \cos 90 = \quad \cos 180 = \quad \cos 270 = \quad \cos 360 =$$

$$\tan 0 = \quad \tan 90 = \quad \tan 180 = \quad \tan 270 = \quad \tan 360 =$$



$$\sin 360 = \quad \sin 450 = \quad \sin 540 = \quad \sin 630 = \quad \sin 720 =$$

$$\cos 360 = \quad \cos 450 = \quad \cos 540 = \quad \cos 630 = \quad \cos 720 =$$

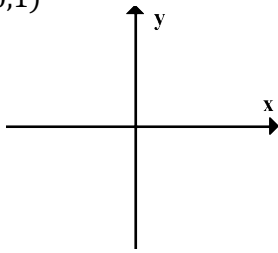
$$\tan 360 = \quad \tan 450 = \quad \tan 540 = \quad \tan 630 = \quad \tan 720 =$$

C11 - 2.6 - Unit Circle Trig Ratios HW

SOH CAH TOA

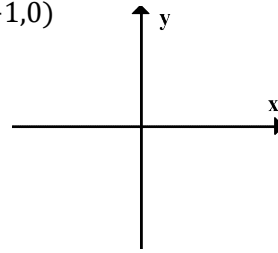
Find $\sin x$, $\cos x$, and $\tan x$ for the following points. And θ_{stp}

(0,1)



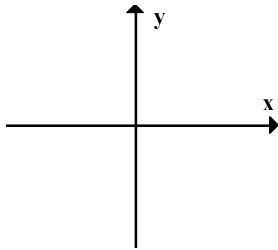
$$\begin{aligned} \sin x &= \\ \cos x &= \\ \tan x &= \\ \theta_{stp} &= \end{aligned}$$

(-1,0)

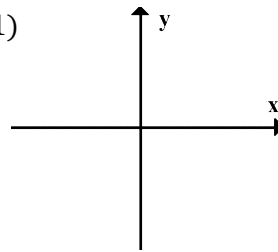


$$\begin{aligned} \sin x &= \\ \cos x &= \\ \tan x &= \\ \theta_{stp} &= \end{aligned}$$

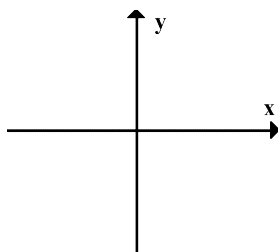
(1,0)



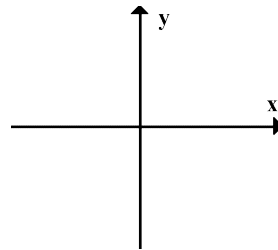
(0,-1)



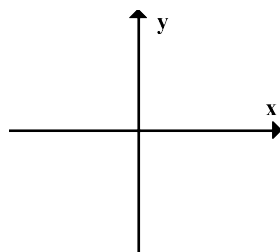
(0,2)



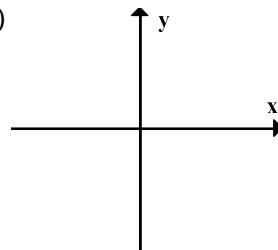
(0,-3)



(4,0)



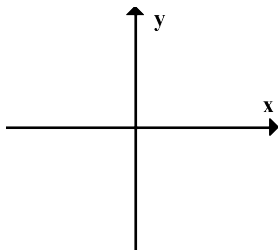
(0,-5)



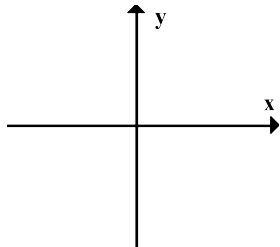
C11 - 2.6 - Unit Circle Trig Equations HW

Solve for θ , $0 \leq \theta < 360$

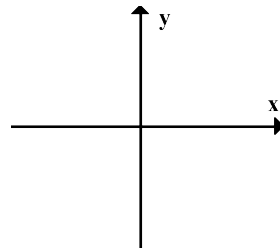
$$\sin\theta = 1$$



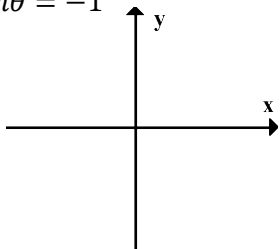
$$\cos\theta = 0$$



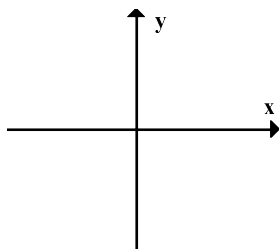
$$\cos\theta = -1$$



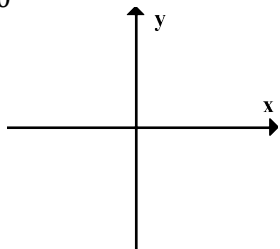
$$\sin\theta = -1$$



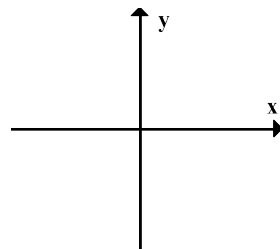
$$\tan\theta = \text{und}$$



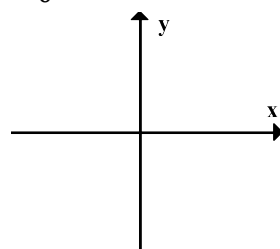
$$\sin\theta = 0$$



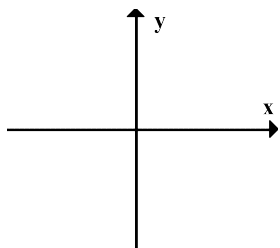
$$\cos\theta = 1$$



$$\tan\theta = 0$$



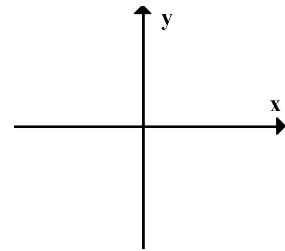
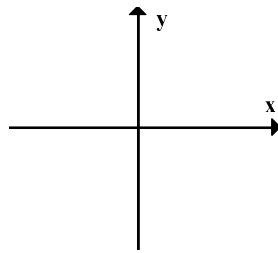
$$\sin^2\theta - 1 = 0$$



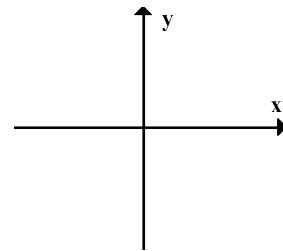
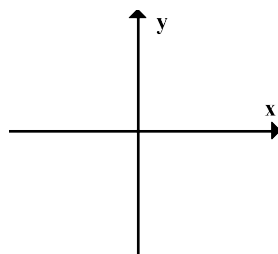
C11 - 2.6 - Factoring Trig Equations HW

Solve for x , $0 \leq x < 360$, by factoring, then setting factors equal to zero and solve.

$$\sin^2 x - \sin x = 0$$



$$\cos^2 x - \cos x - 2$$



$$2 \cos^2 x - \cos x - 1$$

$$\cos^2 x + \cos x = 0$$

$$2 \sin^2 x + \sin x - 1$$

$$\sin^2 x + \sin x - 2 = 0$$