

C12 - 4.6 - Equations Algebra HW

$$3\sin x = 2 - \sin x$$

$$1 - \cos x = 4\cos x$$

$$-3 + 2\sin x = 7\sin x - 1$$

$$\frac{\tan x + 1}{\tan x} = 2$$

$$2\cos x = 4$$

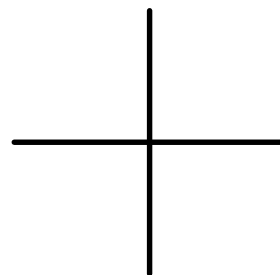
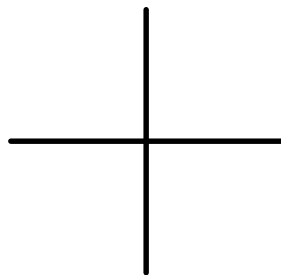
$$7 - 3\sec x = 2$$

$$\cos x = \sec x$$

C12 - 4.6 - Factoring Equations HW

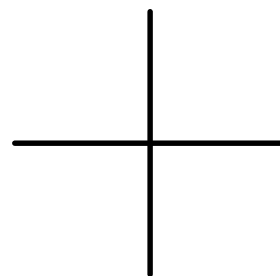
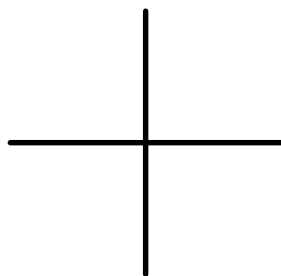
Solve for $x, 0 \leq x < 2\pi$, by factoring, then setting factors equal to zero and solve.

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



0,1

$$2 \sin^2 x + \sin x - 1 = 0$$



$\frac{1}{2}, -1$

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

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

$$2 \cos^2 x - \cos x - 1 = 0$$

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

$$2 \cos^2 x - 6 \cos x - 7 = 0$$

$$3 \sin^2 x + 5 \sin x - 2 = 0$$

$$\cos x + 1 - 2 \sec x = 0$$

$$\tan x = 2 \cot x - 1$$

$$2 \sin x = 3 \tan^2 x$$

Polynomial!