## Conditions

solve y=sin(x+c) for c with 2 given values for x and y

## Solution

$$y = \sin(x + c)$$

$$x + c = \arcsin(y) + 2\pi n, n\epsilon Z; c = \arcsin(y) - x + 2\pi n$$

For example, let's x = 0, y = 0. Then

$$0 = \sin(0 + c), \sin c = 0, c = \pi n, n\epsilon Z$$