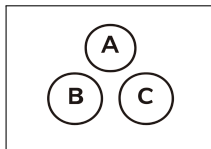


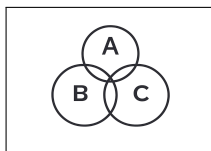
41

Inverse Trig Functions Inverse Properties

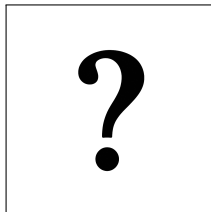
E



$$\sin^{-1}(\sin(\pi/6)) = \sin^{-1}(1/2) = \pi/6$$



$$\sin^{-1}(\sin(\theta)) = \theta$$



$$x = 1/2$$

$$\sin(\sin^{-1}((3x - 1)/2)) = (3x - 1)/2 = ?$$

41

Inverse Trig Functions
Inverse Properties

E



$$x = 1/2$$

$$\sin(\sin^{-1}((3x - 1)/2)) = (3x - 1)/2 = 0.5/2 = 1/4$$