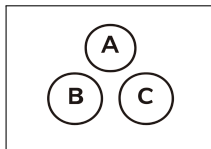


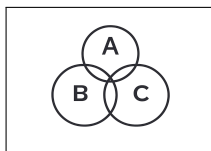
# 41

## Inverse Trig Functions Inverse Properties

# C



$$\tan(\tan^{-1}(1)) = \tan(\pi/4) = 1$$



$$\tan(\tan^{-1}(x)) = x$$



$$x = 1/2$$

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

# 41

## Inverse Trig Functions Inverse Properties

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C



$$x = 1/2$$

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