

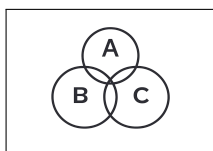
41

Inverse Trig Functions Inverse Properties

D



$$\cos^{-1}(\cos(\pi/3)) = \cos^{-1}(1/2) = \pi/3$$



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



$$x = 1/2$$

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

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Inverse Trig Functions Inverse Properties

D



$$x = 1/2$$

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