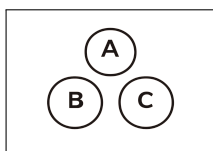
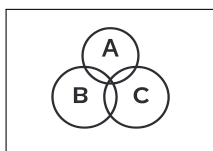


41 Inverse Trig Functions Inverse Properties

F



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



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



$$x = 1/2$$

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

41

Inverse Trig Functions Inverse Properties

F



$$x = 1/2$$

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