

Class Discussion

Unit 4 Topic 7 Part 3 Application

Objective: Practice

Ex1 Evaluate

$$(a) \sec\left(\arcsin\left(-\frac{\sqrt{2}}{2}\right) + \arctan\sqrt{3}\right)$$

$$(b) \arctan\left(\tan\left(\frac{11\pi}{6}\right)\right)$$

Ex 2 Write the following expressions into algebraic expressions

$$(a) \csc\left(\arctan\frac{x}{\sqrt{7}}\right) + \cos(\arcsin x)$$

$$(b) \tan(\arccos x) + \sin(\arctan 2x)$$

Ex 3 Complete the following equation

$$\arctan\left(\frac{14}{x}\right) = \arcsin(?)$$