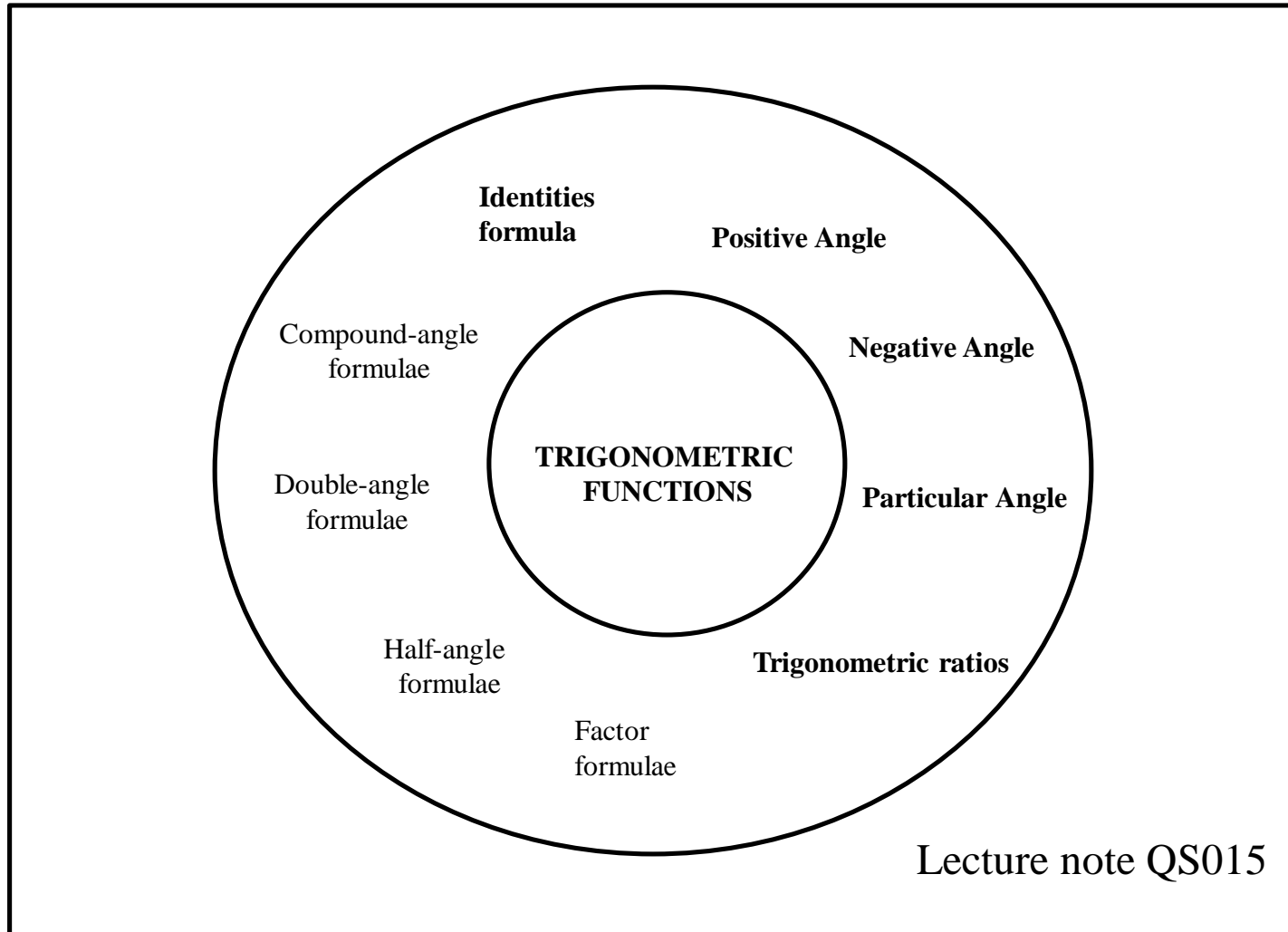


TOPIC: TRIGONOMETRIC FUNCTIONS

THINKING MAP : CIRCLE MAP

THINKING PROCESS : DEFINING IN CONTEXT



Lecture note QS015

TOPIC: TRIGONOMETRIC FUNCTIONS

THINKING MAP: TREE MAP

THINKING PROCESS: CLASSIFICATION, CATEGORIES

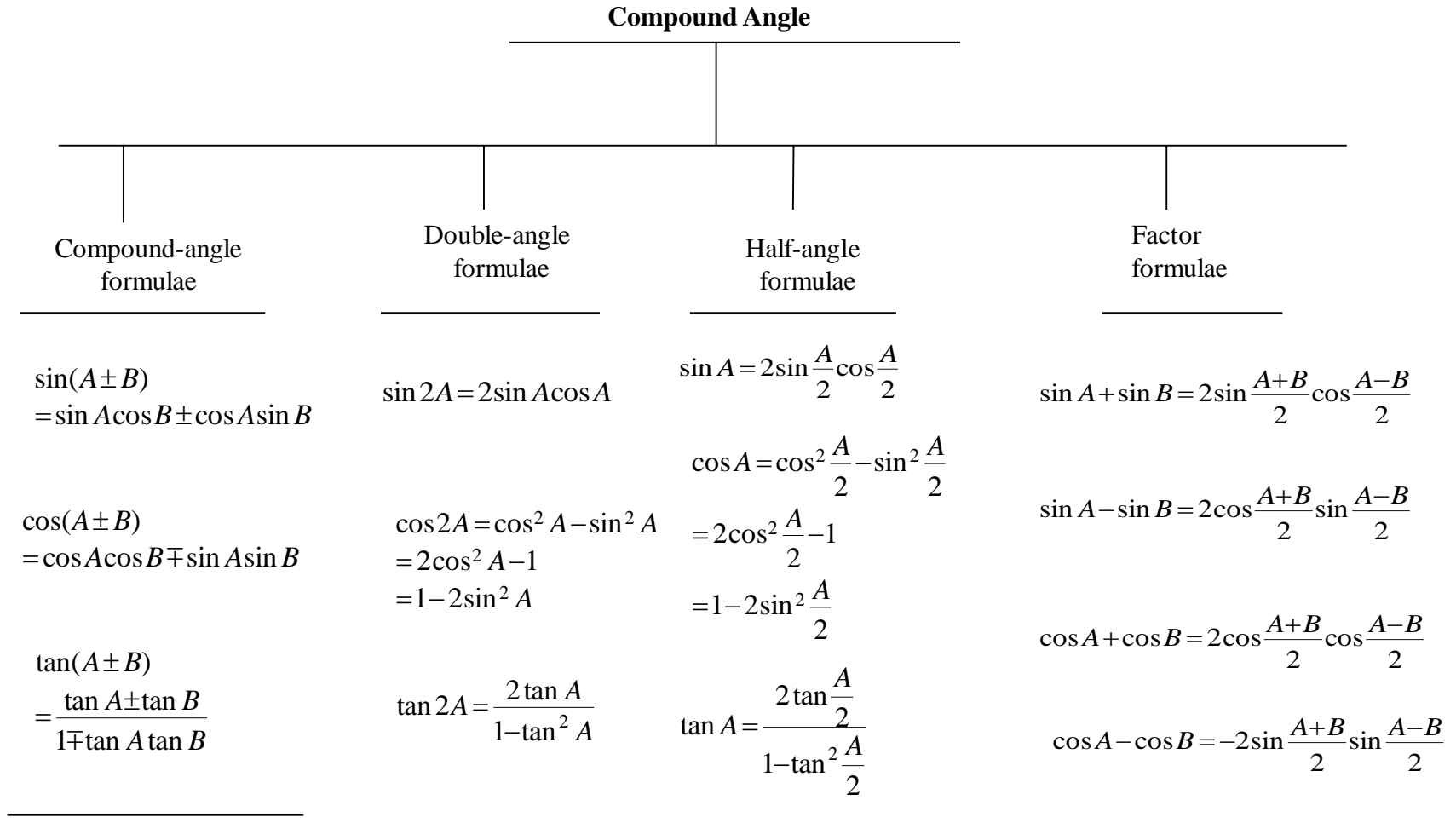
Trigonometric Ratios and Identities

Trigonometric ratios	Relationship of $\sin \theta$, $\cos \theta$ and $\tan \theta$	Negative Angle	Identities
$\sin \theta$, $\cos \theta$	$\sin(90^\circ - \theta) = \cos \theta$	$\sin(-\theta) = -\sin \theta$	$\cos^2 \theta + \sin^2 \theta = 1$
$\tan \theta$, $\sec \theta$	$\cos(90^\circ - \theta) = \sin \theta$	$\cos(-\theta) = \cos \theta$	$1 + \tan^2 \theta = \sec^2 \theta$
$\cot \theta$, $\operatorname{cosec} \theta$	$\tan(90^\circ - \theta) = \cot \theta$	$\tan(-\theta) = -\tan \theta$	$\cot^2 \theta + 1 = \operatorname{cosec}^2 \theta$

TOPIC: TRIGONOMETRIC FUNCTIONS

THINKING MAP: TREE MAP

THINKING PROCESS: CLASSIFICATION, CATEGORIES



TOPIC: TRIGONOMETRIC FUNCTIONS

THINKING MAP: TREE MAP

THINKING PROCESS: CLASSIFICATION, CATEGORIES

Solution of Trigonometric Equations

