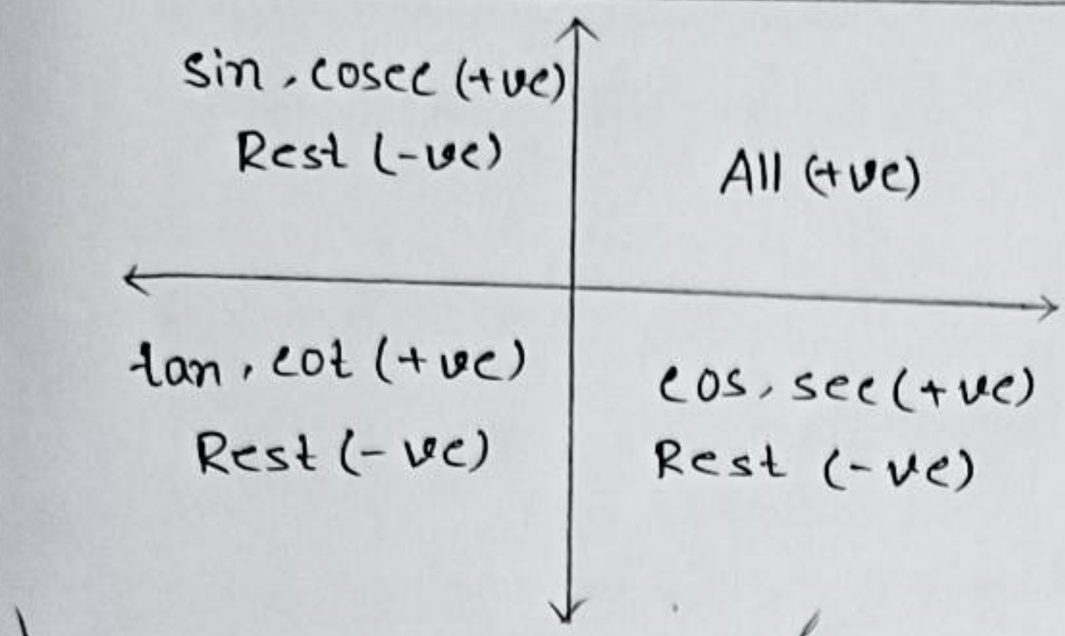
Sign of Trigonometric Ratios



'All', 'sin', 'tan', 'cos'
RULE

(1) $\sin(-\theta) = -\sin\theta$

(2) $\cos(-\theta) = \cos\theta$

(3) $\tan(-\theta) = -\tan\theta$

Trigonometric Rules of Compound Angles

(1)	$\sin(A+B) = \sin A.\cos B + \cos A.\sin B$
(2)	$\sin(A-B) = \sin A.\cos B - \cos A.\sin B$
(3)	$\cos(A+B) = \cos A.\cos B - \sin A.\sin B$
(4)	$\cos(A-B) = \cos A.\cos B + \sin A.\sin B$
(5)	$\sin(A+B).\sin(A-B) = \sin^2 A - \sin^2 B = \cos^2 B - \cos^2 A$
(6)	$\cos(A+B).\cos(A-B) = \cos^2 A - \sin^2 B = \cos^2 B - \sin^2 A$
(7)	$\tan(A+B) = \dfrac{\tan A + \tan B}{1 - \tan A.\tan B}$
(8)	$\tan(A-B) = \dfrac{\tan A - \tan B}{1 + \tan A.\tan B}$
(9)	$\tan(A+B+C) = \dfrac{\tan A + \tan B + \tan C - \tan A.\tan B.\tan C}{1 - \tan A.\tan B - \tan B.\tan C - \tan C.\tan A}$