Trigonometric Ratios

Trigonometric ratios of $(-\theta)$:

- $\sin(-\theta) = -\sin\theta$
- $\cos(-\theta) = \cos\theta$
- $tan(-\theta) = -tan\theta$

Trigonometric ratios of $(90^{\circ} - \theta)$:

- $\sin (90^{\circ}-\theta) = \cos \theta$
- cos (90°-θ)= sinθ
- tan (90°-θ)= cotθ

Trigonometric ratios of $(90^{\circ} + \theta)$:

- $\sin (90^{\circ} + \theta) = \cos \theta$
- $\cos (90^{\circ} + \theta) = -\sin \theta$
- tan (90° + θ)= -cotθ

Trigonometric ratios of $(180^{\circ} - \theta)$:

- $\sin (180^{\circ} \theta) = \sin \theta$
- $\cos (180^{\circ} \theta) = -\cos \theta$
- $\tan (180^{\circ} \theta) = -\tan \theta$

Trigonometric ratios of (180° + θ):

- $\sin (180^\circ + \theta) = -\sin \theta$
- $\cos (180^\circ + \theta) = -\cos \theta$
- $tan (180^{\circ} + \theta) = tan\theta$