

## Sum & Difference Identities

If  $\tan A = \frac{8}{15}$  and  $\cos B = \frac{7}{25}$ , where A lies in quadrant III and B lies in quadrant I, find the exact values of the following.

1)  $\tan(A - B)$

2)  $\sin(A + B)$

3)  $\cos(A - B)$

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