

Name : _____

Sum & Difference Identities

If $\sin A = \frac{3}{5}$ and $\cos B = \frac{9}{41}$, where $0^\circ \leq A \leq 90^\circ$ and $0^\circ \leq B \leq 90^\circ$, find the exact values of the following.

1) $\sin(A + B)$

2) $\cos(A - B)$

3) $\tan(A + B)$

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