

Name : _____

Sum & Difference Identities

If $\sin A = \frac{5}{13}$ and $\tan B = -\frac{3}{4}$, where $\frac{\pi}{2} \leq A \leq \pi$ and $\frac{3\pi}{2} \leq B \leq 2\pi$, find the exact values of the following.

1) $\cos(A + B)$

2) $\tan(A - B)$

3) $\sin(A - B)$

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