Sum & Difference of Sine & Cosine   Name _____
Pop Quiz

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1. Find the exact measure for Tan 15^0.

2. Find the exact measure for $\sin \dfrac{7\pi}{12}$.

3. Draw and label the given triangles using the following information:

a. θ is in quadrant IV and $\sec\theta = \dfrac{25}{7}$.

b. B is in quadrant III and $\cot B = \dfrac{4}{3}$.

4. Use the triangles above to find the following:
(Show expansion, substitution, math and answer!)

a. $\sin(B + \theta)$

b. $\cos\left(\dfrac{2\pi}{3} - B\right)$

5. Write the following as a single trig function of a single angle: (Hint … think of the identities backwards.)

$\cos 25°\cos 32° - \sin 25°\sin 32°$