　Name _____

<div align="center">Practice Quiz</div>

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.)
   $\cos25°\cos32° - \sin25°\sin32°$