Name : _____

Periodic Identities

Use periodic identities to find the exact value of each trigonometric expression.

1) $2 \cos \dfrac{19\pi}{3} + \sin \dfrac{7\pi}{3}$

2) $\dfrac{\tan 420^0}{5}$

3) $\sec 780^0 - 8$

4) $\csc \dfrac{25\pi}{4} - \sec \dfrac{13\pi}{6}$

5) $\tan 60^0 \csc 390^0 \cot 225^0$

6) $11 \cot \dfrac{5\pi}{2}$

7) $\dfrac{\csc 1170^0 \cot 240^0}{\sin 450^0 \cos 750^0}$

8) $7 + \tan \dfrac{4\pi}{3}$