Cofunction Identities

Complete the following using cofunctions of complementary angle theorem.

1) \( \cos 34^\circ = \sin \underline{} \)
2) \( \cot \frac{7\pi}{30} = \tan \underline{} \)

3) \( \sec \frac{11\pi}{36} = \csc \underline{} \)
4) \( \sin 67^\circ = \cos \underline{} \)

5) \( \tan \frac{7\pi}{60} = \cot \underline{} \)
6) \( \cos 75^\circ = \sin \underline{} \)

7) \( \sin 41^\circ = \cos \underline{} \)
8) \( \csc \frac{\pi}{2} = \sec \underline{} \)

9) \( \cot \frac{16\pi}{45} = \tan \underline{} \)
10) \( \tan 80^\circ = \cot \underline{} \)

11) \( \csc \frac{2\pi}{5} = \sec \underline{} \)
12) \( \sec 22^\circ = \csc \underline{} \)
Complete the following using cofunctions of complementary angle theorem.

1) \( \cos 34^0 = \sin \quad 56^0 \)  
2) \( \cot \frac{7\pi}{30} = \tan \quad \frac{4\pi}{15} \)

3) \( \sec \frac{11\pi}{36} = \csc \quad \frac{7\pi}{36} \)  
4) \( \sin 67^0 = \cos \quad 23^0 \)

5) \( \tan \frac{7\pi}{60} = \cot \quad \frac{23\pi}{60} \)  
6) \( \cos 75^0 = \sin \quad 15^0 \)

7) \( \sin 41^0 = \cos \quad 49^0 \)  
8) \( \csc \frac{\pi}{2} = \sec \quad 0 \)

9) \( \cot \frac{16\pi}{45} = \tan \quad \frac{13\pi}{90} \)  
10) \( \tan 80^0 = \cot \quad 10^0 \)

11) \( \csc \frac{2\pi}{5} = \sec \quad \frac{\pi}{10} \)  
12) \( \sec 22^0 = \csc \quad 68^0 \)