Trigonometry

Emphasis on the Hand Trick – Reciprocal Functions

Using the hand trick discussed in class, give the exact value of each of the following trig functions:

Given Angle	Reference Angle	Quadrant Terminal Side is located in	Exact Value
1. $\csc -135^o$			
2. $\sec 240^o$			
3. $\cot 420^o$			
4. $\csc 300^o$			
5. $\sec -315^o$			
6. $\cot -330^o$			

Given Angle	Reference Angle	Quadrant Terminal Side is located in	Exact Value
7. $\csc -\frac{\pi}{4}$			
8. $\sec -\frac{5\pi}{6}$			
9. $\cot -\frac{5\pi}{4}$			
10. $\csc \frac{7\pi}{4}$			
11. $\sec \frac{11\pi}{4}$			
12. $\cot \frac{2\pi}{3}$			