1. Change each function to sines and/or cosines and simplify: $\tan\theta\csc\theta$

2. Add and simplify: $\dfrac{\sin\theta+\cos\theta}{\cos\theta}+\dfrac{\cos\theta-\sin\theta}{\sin\theta}$

3. Multiply and simplify: $\dfrac{(\sin\theta+\cos\theta)(\sin\theta+\cos\theta)-1}{\sin\theta\cos\theta}$

4. Factor and simplify: $\dfrac{3\sin^2\theta+4\sin\theta+1}{\sin^2\theta+2\sin\theta+1}$