Sometimes Trig happens…

Simplify the following expressions.

1. $\cos\theta \, tan^2\theta + \cos\theta$

2. $\dfrac{\cos\theta}{\sec\theta \,+\, \tan\theta}$

3. $(\csc\theta - \cot\theta)^2$

4. $\tan\theta + \cot\theta - \sec\theta \csc\theta$

5. $\dfrac{\sin\theta + \cos\theta}{\sin\theta} - \dfrac{\cos\theta - \sin\theta}{\cos\theta}$

6. $\dfrac{1+\sin\theta}{1-\sin\theta} - \dfrac{1-\sin\theta}{1+\sin\theta}$

7. $(\tan\theta + \cot\theta)^2$