Identity practice problems

Prove these identities:

1. 

2. 

3. 

4.

5. 

6. 

7. 

8. 

9. 

10. 

11. 

Express as a sum:

12. 

13. 

[http://www.hallsville.org/highschool/mhough/Trigonometry/5.1%20Apr.%2020%20&%2021.pdf](http://www.hallsville.org/highschool/mhough/Trigonometry/5.1%20Apr.%2020%20%26%2021.pdf)

<http://www.teaching.martahidegkuti.com/shared/lnotes/5_trig/identities/identities1/trigidentities1.pdf>

<http://www.mhhe.com/math/precalc/barnettpc2/student/olc/graphics/barnett01paga_s/ch06/downloads/pc/ch06section3.pdf>

<http://www.sosmath.com/trig/prodform/prodform.html>

<http://www.mhhe.com/math/precalc/barnettpc2/student/olc/graphics/barnett01paga_s/ch06/downloads/pc/ch06section4.pdf>