Simplifying with identities

Name _____ Date _____

1. $\sin\theta \cdot \cot\theta =$ _____

2. $1 - \cos^2\theta =$ _____

3. $\cos\theta \cdot \tan\theta =$ _____

4. $\csc\theta \cdot \tan\theta =$ _____

5. $\sin^2\theta \cdot \sec^2\theta =$ _____

6. $\tan\theta \cdot \cot\theta =$ _____

7. $\cos\theta \cdot \sec\theta =$ _____

8. $\sin\theta \cdot \csc\theta =$ _____

9. $1 + \tan^2\theta =$ _____

10. $\sec^2\theta - \tan^2\theta =$ _____

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11. $\cot\theta \cdot \sec\theta =$ _____

12. $\sin\theta \cdot \cot\theta =$ _____

13. $1 - \cos^2\theta =$ _____

14. $(\sin\theta + \cos\theta)^2 - 2\sin\theta\cos\theta =$ _____

15. $1 - \cos^2\theta =$ _____

16. $\sin\theta \cdot \cot\theta =$ _____

17. $\cos\theta \cdot \sec\theta =$ _____

18. $\sec^2\theta - \tan^2\theta =$ _____

19. $1 + \tan^2\theta =$ _____

20. $1 - \sin^2\theta =$ _____

21. $\cos\theta \cdot \tan\theta =$ _____