

Trigonometry Chapter 5

Section 3

I. Sum and Difference Identities

Complete each Identity:

1. $\sin(A + B) =$ _____

2. $\sin(A - B) =$ _____

3. $\cos(A + B) =$ _____

4. $\cos(A - B) =$ _____

II. Double Angle Identities

Complete each Identity:

5. $\sin(2\theta) =$ _____

6. $\cos(2\theta) =$ _____

7. _____ = _____

8. _____ = _____

III. Half Angle Identities

Complete each Identity:

9. $\sin^2(\theta) = \frac{1}{2} [\text{_____}]$

10. $\cos^2(\theta) = \frac{1}{2} [\text{_____}]$

IMPORTANT NOTICE: THE 10 IDENTITIES LISTED ABOVE **MUST BE MEMORIZED.**

QUIZZES WILL BE GIVEN