

UNIT 14- LESSON PLANS

Class Algebra 2 **Topic** U14 – Double-Angle and Half-Angle Identities **Lesson** 7 **Of** 7

Students will:

Objective

- Understand the concepts of double-angles and half-angles.
- Derive the half-angle and double-angle identities.
- Understand how to use these identities in dealing with trigonometric equations and problems.

“I Can” Statement

- I can use the half-angle and double-angle identities to solve trigonometric problems.

Common Core Standards

[CCSS.MATH.CONTENT.HSF.TF.C.9](#)

Prove the addition and subtraction formulas for sine, cosine, and tangent and use them to solve problems.

Bell Work

Solve a quick quiz to refresh what are the angle sum and difference identities.

Procedures

1. Start and lead students discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Distribute Lesson Assignment.
5. Have students check each other's work.

Assessment

Assignment 14-7

What are the angle sum and difference identities?

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Additional Resources

[Regents Prep online quiz](#)