

PreCalculus – Unit 8 – Scientific Calculators Only
 Double & Half-Angle Identities – Adapted for 2020

The learner will be able to simplify trigonometric expressions and solve trigonometric equations using trigonometric identities and inverse functions including Pythagorean, double angles, sum and difference ~~and half-angle~~ identities for sine and cosine.

COVID-19 Quarantine Adaptation:

You have worked hard with Trig Identities and have done a great job! Half-Angle Identities are messy, so we are going to eliminate those identities and end our study of trig identities with double-angle identities. We are using current worksheets, so pay attention to which questions you should omit on each practice sheet!

Friday March 27	Getting Ready for Messy Half-Angle Identities Fractions & Square Roots WS – <i>only #1-16 are required</i> Discovery Lesson – <i>ALL required (and easy)</i>
Monday March 30	Double Angle Identities Notes & Examples Double Angle Trig Identities WS Single Trig Functions WS – Double & Half Angle – <i>only #2, 4, 6, 7, 8</i>
Tuesday March 31	Verifying Trig Identities Verifying Trig Identities with Double & Half Angles WS – <i>ALL required</i>
Wednesday April 1	Solving Trig Equations Notes & Examples Solving Equations with Double and Half-Angle Identities WS – <i>only #1 – 10</i>
Thursday April 2	Review More Double and Half Angle Trig Identities WS – <i>only #1, 3 – 5</i> Review WS – <i>only #1 – 3, 8, 9, 14, 15, 19, 20, 21, 24, 25, 26, 29, 30</i> optional extra practice: Solving More Equations WS – <i>only #2, 3, 4, 9, 10, 12, 13, 14</i>
Friday April 3	QUIZ – Double-Angle Identities

Spring Break! Spring Break! Spring Break! Spring Break!