

## PreCalculus – Unit 8 – 2024 – Any Calculator Double & Half-Angle Identities

*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.*

Friday April 12	<b>Getting Ready for Messy Half-Angle Identities &amp; Double Angle Identities</b> Warmup 1 Fractions & Square Roots WS Discovery Lesson
Monday April 15	<b>Double Angle Identities</b> Notes & Examples Double Angle Trig Identities WS
Tuesday April 16	<b>Half-Angle Identities</b> Warmup 2 Notes & Examples Half-Angle Trig Identities WS
Wednesday April 17	<b>Double and Half-Angle Identities</b> Warmup 3 More Double and Half Angle Trig Identities WS Single Trig Functions WS – Double & Half Angle
Thursday April 18	<b>QUIZ</b> – Double & Half-Angle Identities
Friday April 19	<b>Verifying Trig Identities</b> Warmup 4 Verifying Trig Identities with Double & Half Angles WS
Monday April 22	<b>Solving Trig Equations with Double and Half-Angle Identities</b> Warmup 5 Notes & Examples Solving Equations with Double and Half-Angle Identities WS
Tuesday April 23	<b>Review</b> Warmup 6 Double & Half Angle Identities Review WS
Wednesday April 24	<b>Review</b> Trigonometric Equations Maze! WS
Thursday April 25	<b>TEST</b> – Double & Half-Angle Identities