

Name: Mrs. Woods		Grading Quarter: 2	Week Beginning: 11/04/24
School Year: 24-25		Subject: Precalculus	
Monday	Notes:	<p>Objective: Students will be able to find missing sides and angles in right triangles.</p> <p>Lesson Overview: Notes – finding missing sides (trig functions), missing angles (inverse trig), and angle of elevation or depression</p>	<p>Academic Standards: P.F-TF.A.3 Use special triangles to determine geometrically the values of sine, cosine, tangent for <math>\pi/3</math>, <math>\pi/4</math> and <math>\pi/6</math>, and use the unit circle to express the values of sine, cosine, and tangent for <math>\pi-x</math>, <math>\pi+x</math>, and <math>2\pi-x</math> in terms of their values for <math>x</math>, where <math>x</math> is any real number.</p>
Tuesday	Notes:	<p>Objective: Students will be able to find missing sides and angles in oblique triangles.</p> <p>Lesson Overview: Notes – Law of Sines and Cosines (and which types of triangles can be solved with each) Introduce the ambiguous case of Law of Sines</p>	<p>Academic Standards: P.G-SRT.D.10 Prove the Laws of Sines and Cosines and use them to solve problems. P.G-SRT.D.11 Understand and apply the Law of Sines and the Law of Cosines to find unknown measurements in right and non-right triangles (e.g., surveying problems, resultant forces).</p>
Wednesday	Notes:	<p>Objective: Students will be able to find missing sides and angles in oblique triangles.</p> <p>Lesson Overview: Continue working on previous day's lesson. Include word problem practice.</p>	<p>Academic Standards: P.G-SRT.D.10 Prove the Laws of Sines and Cosines and use them to solve problems. P.G-SRT.D.11 Understand and apply the Law of Sines and the Law of Cosines to find unknown measurements in right and non-right triangles (e.g., surveying problems, resultant forces).</p>
Thursday	Notes:	<p>Objective: Students will be able to convert radians to degrees and vice versa.</p> <p>Lesson Overview: Notes – conversion formulas, positive and negative angles, the basics of the unit circle</p>	<p>Academic Standards: P.F-TF.A.3 Use special triangles to determine geometrically the values of sine, cosine, tangent for <math>\pi/3</math>, <math>\pi/4</math> and <math>\pi/6</math>, and use the unit circle to express the values of sine, cosine, and tangent for <math>\pi-x</math>, <math>\pi+x</math>, and <math>2\pi-x</math> in terms of their values for <math>x</math>, where <math>x</math> is any real number.</p>

Friday	Notes:	No school	
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