

Name: Mrs. Woods		Grading Quarter: 2	Week Beginning: 10/16/23
School Year: 23-24		Subject: Precalculus	
Monday	Notes:	No class	Academic Standards:
Tuesday	Notes:	<p>Objective: Students will be able to calculate arc length in degrees and radians.</p> <p>Lesson Overview: Notes – formulas for arc length in degrees and radians.</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>
Wednesday	Notes:	<p>Objective: Students will be able to calculate coterminal and reference angles.</p> <p>Lesson Overview: Work with angles on the unit circle. Calculate coterminal angles in both radians and degrees. Calculate reference angles (off the horizontal) in both radians and degrees. Practice examples together, then with partners using the Kuta worksheet.</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>
Thursday	Notes:	<p>Objective: Students will be able to calculate trig ratios of any angles.</p> <p>Lesson Overview: Define all six trig ratios, including csc, sec, cot. Learn which quadrants each one is positive or negative. Use terminal arms and points to find ratios.</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:	<p>Objective: Students will be able to calculate trig ratios of any angles.</p> <p>Lesson Overview: Review concepts from U4 L4-L6 on Kahoot</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>
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