

Trigonometry

Fall 2025

Dr. Witt

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[Class Syllabus](#)

[Power Essentials & Learning Targets](#)

Other teachers who can help me with this class:

Mr. Ortegren - Rm 216

Mrs. Rickert - Rm 212

Mr. Welsch - Rm 210

[Sept 1](#)

[Sept 8](#)

[Sept 15](#)

[Sept 22](#)

[Sept 29](#)

[Oct 6](#)

[Oct 20](#)

[Oct 27](#)

[Nov 3](#)

[Nov 10](#)

[Nov 17](#)

[Nov 24](#)

[Dec 1](#)

[Dec 8](#)

[Dec 15](#)

Power Essentials and Learning Targets:

Date	Power Essential	Learning Target	In-Class	Assignments	Activities for Success
Thursday August 14	I can use degrees and radians in the Unit Circle.	NT: Using degree measurements, I can find a location in the unit circle and identify	1.1 Degrees: Coterminal and Reference Angles 1.1 Notes	1.1 Homework <i>Due Aug 18 / Aug 19</i>	1.1 Notes Completed 1.1 Ans Key Unit Circle Angle practice Video1 : Determine the
Friday August 15					

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
		coterminal and reference angles.			quadrant for degrees Video2 : Find coterminal angles
Monday August 18	I can use degrees and radians in the Unit Circle.	LT: I can find trig functions for an acute angle of a right triangle. LT: I can find trig functions for special right triangles in the Unit Circle. LT: I can use a calculator to evaluate trig functions (degrees).	1.2 The 6 Trig Functions for Degrees 1.2 BellWork 1.2 Notes	1.2 Homework <i>Due Aug 20 / Aug 21</i>	1.2 Notes Completed 1.2 Ans Key Unit Circle Angle practice SohCahToa Song Video1 : Find trig values for an angle in any right triangle Video2 : Find trig values for special right triangles in the Unit Circle
Tuesday August 19					
Wednesday August 20	I can use degrees and radians in the Unit Circle.	LT: I can solve right triangles.	1.3 Solving Right Triangles 1.3 BellWork 1.3 Notes	1.3 Homework <i>Due Aug 26 / Aug 27</i>	1.3 Notes Completed 1.3 Ans Key Unit Circle Angle practice Video : Solve right triangles
Thursday August 21					
Friday August 22	I can use degrees and radians in the Unit Circle.	LT: I can solve right triangles.	Continue 1.3 Solving Right Triangles 1.3 Cont BellWork 1.3 Notes	1.3 Homework <i>Due Aug 26 / Aug 27</i> 1.4 Homework <i>Due Aug 26 / Aug 27</i>	1.3 Notes Completed 1.3 Ans Key 1.4 Notes Completed 1.4 Ans Key Unit Circle Angle practice Video : Solve right triangles Video 1 : Elevation Video 2 : Elevation
Monday August 25		NT: I can apply right triangles to real life situations.	1.4 Right Triangles in Real Life 1.4 Notes		

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
					Video 3 : Depression
Tuesday August 26	I can use degrees and radians in the Unit Circle.	I can demonstrate my understanding of all concepts on the quiz.	Quiz#1 BellWork Quiz Review Quiz 1.1 - 1.4	NONE	Quiz Rvw Ans Key
Wednesday August 27					Unit Circle Angle practice
Thursday August 28	I can use degrees and radians in the Unit Circle.	NT: Using radian measurements, I can find a location in the unit circle and identify coterminal and reference angles. LT: I can convert between degrees and radians.	1.5 Radians: Coterminal and Reference Angles 1.5 BellWork 1.5 Notes	1.5 Homework Due Sept 2 / Sept 3	1.5 Notes Completed 1.5 Ans Key
Friday August 29					Video1 : Determine the quadrant for radians Video2 : Find coterminal angles in radians Video3 : Convert between degrees and radians
Monday September 1	No School - Labor Day				
Tuesday September 2	I can use degrees and radians in the Unit Circle.	LT: I can complete the Unit Circle.	Completing the Unit Circle Unit Circle BellWork Unit Circle Start 1.6 notes	Practice placing radians on the unit circle	Unit Circle Completed
Wednesday September 3					Video : place degrees in Unit Circle Video : Place radians in the unit circle Unit Circle Radian practice
Thursday September 4	I can use degrees and radians in the Unit Circle.	LT: I can use the calculator to evaluate trig functions (radians). LT: I can find trig functions for special right	1.6 The 6 Trig Functions for Radians 1.6 BellWork 1.6 Notes	1.6 Homework Due Sept 8 / Sept 9 Quiz next period!	1.6 Notes Completed 1.6 Ans Key
Friday September 5					Unit Circle Radian practice Video1 : Quadrantal Angles

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
		triangles in the Unit Circle. LT: I can find trig functions for quadrantal angles.			Video2 : Evaluate a special right triangle given a radian angle
Monday September 8	I can use degrees and radians in the Unit Circle.	I can demonstrate my understanding of all concepts on the quiz.	Quiz #2 BellWork Quiz Review	NONE	Quiz Rvw Ans Key Unit Circle Angle practice Unit Circle Radian practice
Tuesday September 9					
Wednesday September 10	I can use degrees and radians in the Unit Circle.	NT: I can compute sector area or arc length given angles in degrees or radians.	1.7 Arc Length and Sector Area 1.7 BellWork 1.7 Notes	1.7 Homework Due Sept 12 / Sept 15	1.7 Notes Completed 1.7 Ans Key Video : Arc Length Video : Area of a Sector
Thursday September 11					
Friday September 12	I can use degrees and radians in the Unit Circle.	I can demonstrate my understanding of all concepts on the test.	Unit 1 Rvw BellWork Unit 1 Test Review Complete missing HW	Study for Test Due Sept 16 / Sept 17 Test next period!	Unit Circle Angle practice Unit Circle Radian practice Test Rvw Ans Key
Monday September 15					
Tuesday September 16	I can use degrees and radians in the Unit Circle.	I can demonstrate my understanding of all concepts on the test.	Test Day Bell Work Unit 1 Test	NONE	
Wednesday September 17					
Thursday September 18					
Friday September 19					
Monday September 22					
Tuesday September 23					

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
Wednesday September 24					
Thursday September 25					
Friday September 26	No School - Professional Development Day				
Monday September 29					
Tuesday September 30					
Wednesday October 1					
Thursday October 2					
Friday October 3					
Monday October 6					
Tuesday October 7					
Wednesday October 8					
Thursday October 9					
Friday October 10					
Monday October 13					

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
Tuesday October 14	Pre-ACT Testing Day				
Wednesday October 15					
Thursday October 16	No School - Teacher Work Day				
Friday October 17	No School - PTC Payback Day				
Monday October 20					
Tuesday October 21					
Wednesday October 22					
Thursday October 23					
Friday October 24					
Monday October 27					
Tuesday October 28					
Wednesday October 29					
Thursday October 30					
Friday October 31	No School - Teacher Work Day				

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
Monday November 3					
Tuesday November 4					
Wednesday November 5					
Thursday November 6					
Friday November 7					
Monday November 10					
Tuesday November 11					
Wednesday November 12					
Thursday November 13					
Friday November 14					
Monday November 17					
Tuesday November 18					
Wednesday November 19					
Thursday November 20					

Date	Power Essential	Learning Target	In-Class Activities	Assignments	Activities for Success
Friday November 21					
Monday November 24					
Tuesday November 25					
Wednesday November 26	No School - Thanksgiving Break				
Thursday November 27	No School - Thanksgiving Break				
Friday November 28	No School - Thanksgiving Break				
Monday December 1					
Tuesday December 2					
Wednesday December 3					
Thursday December 4					
Friday December 5					
Monday December 8					
Tuesday December 9					
Wednesday December 10					

Thursday December 11					
Friday December 12					
Monday December 15					
Tuesday December 16					
Wednesday December 17					
Thursday December 18					
Friday December 19					