

Course: Advanced Topics in Math (1298310)

Content Support/Contact: Amy Lovett (Amy.Lovett@collierschools.com) Secondary Math Coordinator

Technology Support/Contact: CCPS Help Desk (helpdesk@collierschools.com)

Week 1	3/23/20	3/24/20	3/25/20	3/26/20	3/27/20
Resource	<i>iTutoring</i>	<i>iTutoring</i>	<i>iTutoring</i>	<i>iTutoring</i>	<i>iTutoring</i>
Assignment	Chapter 5, Topic 2: Simplifying Expressions with the Reciprocal, Quotient, and Pythagorean Identities	Chapter 5, Topic 3: Proving Identities with the Reciprocal, Quotient, and Pythagorean Identities	Chapter 5, Topics 4 & 5: Even and Odd Identities & Proving more Trigonometric Identities	Chapter 5, Topic 6: Factoring and FOILing to Prove Trig Identities	Chapter 6, Topic 4: Using Sum and Difference Formulas
Resource	<i>Khan Academy</i>	<i>Khan Academy</i>	<i>Khan Academy</i>	<i>Khan Academy</i>	<i>Khan Academy</i>
Assignment	Trigonometry: Trigonometric Identities <u>Learn (Videos):</u> <ul style="list-style-type: none"> • Sine & Cosine: Symmetry • Tangent: Symmetry • Sine & Cosine: Periodicity • Tangent: Periodicity 	Trigonometry: Angle Addition Identities <u>Learn (Videos):</u> <ul style="list-style-type: none"> • Review of trig angle addition identities • Using the cosine angle addition identity 	Trigonometry: Angle Addition Identities <u>Learn (Videos):</u> <ul style="list-style-type: none"> • Using the cosine double-angle identity Practice: Using the trig angle addition identities	Trigonometry: Using Trigonometric Identities <u>Learn (Videos):</u> <ul style="list-style-type: none"> • Finding trig values using angle addition identities • Using trig angle addition identities: finding side lengths 	Trigonometry: Using Trigonometric Identities <u>Learn (Videos):</u> <ul style="list-style-type: none"> • Using trig angle addition identities: manipulating expressions • Using trig identities Practice: Finding trig values using angle addition identities ➤ Take Quiz 2
Recommended Duration:	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total

Directions for Accessing Assignments:

iTutoring	Khan Academy
<ol style="list-style-type: none"> 1. Visit www.itutoring.com 2. User name: ccsd 3. Password: math 4. Click on Pre-Cal (Trigonometry) 5. Choose the correct chapter from the side menu on the right 6. Choose the correct lesson (in red wording) 7. Watch the assigned videos and work through the problems given 	<ol style="list-style-type: none"> 1. Visit www.khanacademy.org 2. Login or Sign up 3. From the drop down Courses menu, choose Pre-Calculus 4. Choose the content area from the left side menu 5. Complete the assigned activity above
Note: iTutoring offers instructional videos and slides covering all Algebra 2 and SAT content	Notes: students can download and use the Math/Algebra Nation app on their cell phones and/or iPads