

Precalc Sections 5.1 and 5.2 Extra Resources

In the self-assessment from section 5.1, you rated both your understanding of trig identities in general, and your abilities to simplify trig expressions. Based on your rating and comments, you may have one or more areas in which you want to improve. This is ok! In fact, the practice of identifying where you want to improve increases your chance of future success.

The table below has resources and suggestions that will help you improve in each category. And, even if you feel at a level 3 or 4 in a category, you may still want to check out a resource or two to solidify your understanding. Later, when we reach 5.2, additional resources will be added to help you with that section.

Identify each category of Trig Identities by name	<ul style="list-style-type: none">● Make flash cards● Quiz a partner● Draw a 30-60-90 right triangle and create side lengths. Then, practice writing the value of each of the 6 trig functions. Confirm answers with a calculator as needed.
Substitute an identity and re-write the identity if necessary	<ul style="list-style-type: none">● Small-group re-teach● Khan Academy Video: Introduction to simplifying● Desmos Card-Sort Activity, student.desmos.com, code: ZDDQ2Z
Simplify an expression that takes 1-2 steps	<ul style="list-style-type: none">● Khan Academy Video: Introduction to simplifying● Extra Practice Sheet Try #1-4, 8● Small-group re-teach● Desmos Card-Sort Activity, student.desmos.com, code: ZDDQ2Z
Simplify an expression that takes 3-4 steps, and/or has fractions	<ul style="list-style-type: none">● YouTube video examples● Extra Practice Sheet Try #5-7, 9-10● Small-group re-teach● Desmos Card-Sort Activity, student.desmos.com, code: ZDDQ2Z
Challenge: If you are at a high level already, give these a try	<ul style="list-style-type: none">● Extra Practice Sheet Try #11-19● Go to this link: Intro into Verifying Trig Identities Read Examples 1 and 2 (links are at the top of the page, or just scroll down)

Section 5.2 Resources

[Intro to proving identities YouTube Video](#)