Unit 6 (Chapter 5): Analytic Trigonometry

5.1 Fundamental Trig Identities Target 6A: Verify, evaluate, and apply trigonometric identities and formulas

Use the concepts of the unit circle to explain why the quotient identities are true.	After filling in the reciprocal identities, analyze your conclusion using the TI-Nspire calculator.
DOK-Level 3 Understand (Explain, generalize, or	DOK-Level 3 Evaluate (Verify reasonableness of results)
After deriving the Pythagorean identity involving sine and cosine, create a new Pythagorean identity involving the tangent function.	Explain why the sine and cosine co-function identities work based upon your knowledge of graphing sinusoids
DOK-Level 3 Apply (Use & show reasoning, planning, and evidence)	DOK-Level 4 Analyze (Gather, analyze, & evaluate information)