Pre-Calculus 12 # Ch.7 - Trigonometry (Part 2)

By the end of the unit, it is expected that you will:	☺ EXCELLENT	😐 LOOK OVER	☹ WHAT??
Prove trigonometric identities, using : reciprocal identities **QUESTION:** Prove the identity: sec x = tan x csc x			
Prove trigonometric identities, using: quotient identities **QUESTION:** a) Simplify the expression $\frac{cotx\ sinx}{secx}$ b) Prove the identity: $1-\cos^2 x = \cos^2 x \tan^2 x$			
Prove trigonometric identities, using: Pythagorean identities **QUESTION:** a) Prove the identity: tanx + cotx = secx cscx b) Prove the identity: $\frac{tanx}{secx+1} = \frac{secx-1}{tanx}$			

Prove trigonometric identities, using: sum or difference identities (restricted to sine, cosine and tangent) **QUESTION:** Prove the identity: $\sin\left(\frac{\pi}{2} - x\right) = \cos x$			
Prove trigonometric identities, using: double-angle identities (restricted to sine, cosine and tangent). **QUESTION:** Prove the identity: $\frac{1+\cos 2x}{\sin 2x} = \cot x$			

Workbook stuff

Pages

Section and page number	Mandatory Questions
7.1 page 304	1, 2odd, 3 odd, 4odd, 5ad, 6ad, 7ad, 8ac, 9acgjl
7.2 page 311	1, 4, 5 , 8, 9, 12, 13, 15, 18, 19, 21, 24, 25
7.3 page 321	1odd, 2odd, 3odd, 4abc, 5odd
7.4 page 332	1odd, 2odd, 5 odd, 6ac
7.5 page 340	1 odd, 2 odd, 3 odd
Review	Content organizer / review package / text review