

Columbian Thentities:

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Sin² x + cos² x = 1  tan² x + 1 = Sec² x  1 + cot² x = esc² x  2. Example (Simblying trigonometric expressions)  cos 0 + sin 0 tan 0 = eos 0 + sin 0. sin 0 = eos 0  = eos² 0 + sin² 0 = cos 0 = sec 0.  2. Procedure: (Verilying Trig. identities)  1. Work with one side at a time  2. Apply trigonometric identities as appropriate.  2. Apply trigonometric identities as appropriate.  3. Rewrite in terms of sine and cosine if necessary.  Example	n Identities:	
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2. Example (Simblying trigonametric expressions)  cas 0 + sin 0 tam 0 = eas 0 + sin 0 : sin 0 = eas 0 = sec 0.  2. Procedure: (Verifying Trig. identities)  1. Work with one side at a time  2. Apply trigonometric identities as appropriate.  3. Rewrite in terms of sine and cosine if necessary.  Example	+1= Sec2x	
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