Name: _____

Trig Identities Cheat Sheet

Reciprocal Identities	$sec(x) = \frac{1}{cos(x)}$	$csc(x) = \frac{1}{sin(x)}$
	$cot(x) = \frac{1}{tan(x)}$	$cot(x) = \frac{cos(x)}{sin(x)}$
	$tan(x) = \frac{1}{cot(x)}$	$tan(x) = \frac{sin(x)}{cos(x)}$

Pythagorean Identities	$sin^2(x) + cos^2(x) = 1$
	$1 + cot^2(x) = csc^2(x)$
	$tan^2(x) + 1 = sec^2(x)$

Double Angle Identities	$sin(2A) = 2sin(A)cos(A)$
	$cos(2A) = cos^2(A) - sin^2(A)$ $cos(2A) = 1 - 2sin^2(A)$ $cos(2A) = 2cos^2(A) - 1$
	$tan(2A) = \frac{2tan(A)}{1-tan^2(A)}$

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