Trig for Calculus

1) $\sin x =$ 2) $\cos x =$

3) $\tan x =$ 4) $\csc x =$

5) $\sec x =$ 6) $\cot x =$

7) $\sin{-x} =$ 8) $\cos{-x} =$

9) $\sin 2x =$ 10) $\cos 2x =$ .... all three ways

11) $\tan 2x =$ 12) $1 =$ ...... all three ways

13) $\cos^2 x =$ 14) $\sin^2 x =$

15) $\sec^2 x =$ 16) $\csc^2 x =$

17) $\tan^2 x =$

Pythagorean Identities:

$\sin^2 x + \cos^2 x =$ $1 + \tan^2 x =$

$1 + \cot^2 x =$ $1 - \cos^2 x =$

$\tan^2 x =$ $\csc^2 x - 1 =$

Exact value of the following:

$\sin 30°$	$\cos 30°$	$\tan 30°$
$\sin 45°$	$\cos 45°$	$\tan 45°$
$\sin 60°$	$\cos 60°$	$\tan 60°$
$\sin \dfrac{\pi}{6}$	$\cos \dfrac{\pi}{6}$	$\tan \dfrac{\pi}{6}$
$\sin \dfrac{\pi}{4}$	$\cos \dfrac{\pi}{4}$	$\tan \dfrac{\pi}{4}$
$\sin \dfrac{\pi}{3}$	$\cos \dfrac{\pi}{3}$	$\tan \dfrac{\pi}{3}$