1 $\sin x$	2 $\cos x$
3 $\tan x$	4 $\sin^2 x + \cos^2 x$
5 $1 + \tan^2 x$	6 $1 + \cot^2 x$
7 $\sin x$	8 $\sin x$
9 $\cos x$	10 $\tan x$

11 $\cot x$	12 $\csc x$
13 $\sin(x \pm y)$	14 $\cos(x \pm y)$
15 $\tan(x \pm y)$	16 $\cot(x \pm y)$
17 $\sin 2x$	18 $\sin 2x$
19 $\cos 2x$	20 $\cos 2x$

21 $\cos 2x$	22 $\cos 2x$
23 $\tan 2x$	24 $\cot 2x$
25 $\sin(x+y)\sin(x-y)$	26 $\cos(x+y)\cos(x-y)$
27 $\sin\frac{x}{2}$	28 $\cos\frac{x}{2}$
29 $\tan\frac{x}{2}$	30 $\tan\frac{x}{2}$

31 $\tan \frac{x}{2}$	32 $\cot \frac{x}{2}$
33 $\cot \frac{x}{2}$	34 $\cot \frac{x}{2}$
35 $\sin x$	36 $\cos x$
37 $\tan x$	38 $\tan x$
39 $\sin x$	40 $\cos x$

$\tan x$

$\frac{1}{\sec x}$	$\frac{1}{\csc x}$
1	$\frac{1}{\cot x}$
$\csc^2 x$	$\sec^2 x$
$\sin(\pi - x)$	$\cos\left(\frac{\pi}{2} - x\right)$
$\cot\left(\frac{\pi}{2} - x\right)$	$-\cos(\pi - x)$

$\cot \frac{x}{2} - \cot x$	$-\cot(\pi - x)$
$\cos x \cos y \mp \sin x \sin y$	$\sin x \cos y \pm \cos x \sin y$
$\frac{\cot x \cot y \mp 1}{\cot x \pm \cot y}$	$\frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$
$\frac{2 \tan x}{1 + \tan^2 x}$	$2 \sin x \cos x$
$2 \cos^2 x - 1$	$\cos^2 x - \sin^2 x$

$\frac{1-\tan^2 x}{1+\tan^2 x}$	$1-2\sin^2 x$
$\frac{\cot^2 x-1}{2\cot x}$	$\frac{2\tan x}{1-\tan^2 x}$
$\cos^2 x-\sin^2 y$	$\sin^2 x-\sin^2 y$
$\sqrt{\frac{1+\cos x}{2}}$	$\sqrt{\frac{1-\cos x}{2}}$
$\frac{1-\cos x}{\sin x}$	$\sqrt{\frac{1-\cos x}{1+\cos x}}$

$\sqrt{\frac{1+\cos x}{1-\cos x}}$

$\frac{\sin x}{1+\cos x}$

$\frac{\sin x}{1-\cos x}$

$\frac{1+\cos x}{\sin x}$

$\frac{e^{ix}+e^{-ix}}{2}$

$\frac{e^{ix}-e^{-ix}}{2i}$

$-i\frac{e^{2ix}-1}{e^{2ix}+1}$

$-i\frac{e^{ix}-e^{-ix}}{e^{ix}+e^{-ix}}$

$\cosh ix$

$\frac{\sinh ix}{i}$

$$\frac{\tanh ix}{i}$$