$$
\begin{aligned}
& \sin (x+y)=\sin x \cos y+\cos x \sin y \\
& \sin (x-y)=\sin x \cos y-\cos x \sin y
\end{aligned}
$$

Add: 31) $\sin (x+y)+\sin (x-y)=2 \sin x \cos y$
Subtract: 32 ) $\sin (x+y)-\sin (x-y)=2 \cos x \sin y$

$$
\begin{aligned}
& \cos (x+y)=\cos x \cos y-\sin x \sin y \\
& \cos (x-y)=\cos x \cos y+\sin x \sin y
\end{aligned}
$$

Add: 33)

$$
\cos (x+y)+\cos (x-y)=2 \cos x \cos y
$$

Subtract: 34 ) $\cos (x+y)-\cos (x-y)=-2 \sin x \sin y$

Note: If $x>y$, then

$$
\left.\begin{array}{l}
(x+y)+(x-y)=2 x \\
(x+y)-(x-y)=2 y
\end{array}\right\}+3 p+s^{2}
$$

