$$
0^{\circ} \leq x<360^{\circ}
$$

26. $2 \cos ^{2} x+3 \cos x-2=0$

$\cos x=\frac{1}{2}$

$$
x=60^{\circ}, 300^{\circ}
$$

17. $\sqrt{2} \sin x-1=0 \quad$ principal

$$
\begin{aligned}
& \sin x=\frac{1}{\sqrt{2}} \\
& \sin x=\frac{\sqrt{2}}{2} \\
& x=450
\end{aligned}
$$

$$
\begin{gathered}
0 \leq x<360^{\circ} \\
\text { 23. } \sqrt{2} \cos x+1=0 \\
\cos x=\frac{-1}{\sqrt{2}} \\
\cos x=-\frac{\sqrt{2}}{2} \\
x=135^{\circ}, 225^{\circ} \\
\text { 19. } \sin 2 x-1=0 \\
\sin \frac{2 x}{2}=1 \quad \operatorname{shn} \frac{90}{2}=1 \\
\sin 2 x=1=\sin 96 \\
\sin 2 x=\sin \frac{90}{2} \cdot \frac{-90}{2} \quad 0 \leq x<360^{\circ} \\
\text { 24. } \cos x \tan x=\frac{1}{2} \\
\cos x \frac{\sin x}{\operatorname{sos} x}=\frac{1}{2} \\
\sin x=\frac{1}{2} \\
x=30^{\circ}, 150^{\circ}
\end{gathered}
$$

27. $\sin 2 x=-\sin x \quad 0 \leq x<360^{\circ}$

$$
\begin{array}{r}
\begin{array}{r}
\sin 2 x+\sin x
\end{array}=0 \\
2 \underline{\sin x \cos x+\sin x}=0 \\
\sin x(2 \cos x+1)=0 \\
\sin x=0 \quad 2 \cos x+1=0 \\
x=180^{\circ}, 0^{\circ} \quad \begin{array}{r}
\cos x
\end{array}=-\frac{1}{2} \\
x=120^{\circ}, 2400
\end{array}
$$

