




$$
y=\frac{1}{2} \cos \left(\frac{3}{4}(x+\pi)\right)-1
$$

$$
y=\frac{1}{2} \cos \left(3 / 4 x+\frac{3}{4} \pi\right)^{2 A D}-1
$$



$$
\frac{\pi}{3}+\pi / 3
$$

$$
\begin{array}{ll}
\cos x & -\pi \\
\text { p.s. } & -\pi \\
\text { amp. } & 1 / 2
\end{array}
$$

per. $\frac{3 \pi}{3}+\frac{5 \pi}{3}=\frac{8 \pi}{3}$
V.S. -1

$$
\begin{aligned}
b=\frac{2 \pi}{p^{2}}=\frac{2 \pi}{\frac{8 \pi}{3}} & =2 \pi \cdot \frac{3}{8 \pi} \\
& =3 / 4
\end{aligned}
$$

$\csc x$
V.S. $O$
$\operatorname{amp} N A(2)(-1)$
$\begin{aligned} & \text { p.s. } \\ & \text { period } \frac{2 \pi}{3} \\ & b=\frac{2 \pi}{\frac{2 \pi}{3}}=2 \pi \cdot \frac{3}{2 \pi}\end{aligned} \quad$ p.s. $\frac{\pi / 3}{2}$

$$
\begin{aligned}
& y=-2 \csc (3 x) \\
& y=2 \csc (3(x-\pi / 3))
\end{aligned}
$$

