(14)

$$
\begin{aligned}
& \text { (4) } V=r \frac{\theta}{t} \quad \begin{array}{c}
\quad \omega \quad v=r \omega \\
\\
V=8\left(\frac{13(2 \pi)}{4}\right) \\
V=16 \mathrm{fev} / 4 \mathrm{ec}
\end{array} \\
& V=163 \mathrm{ft} / \mathrm{sec}
\end{aligned}
$$

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$$
\begin{gathered}
y=\sin x \quad y=2 \sin x \\
y=A \sin x \\
\max =2 \\
\min =-2
\end{gathered}
$$

ex.1) a. $y=4 k \cos \theta$
Amplitude $=|4|=4$
b.


Period $\quad y=\sin k \theta \quad y=\cos k \theta$

$$
\text { Period }=\frac{2 \pi}{k}, k>0
$$

ex,2 a. $y=\cos \frac{\theta}{2}=\cos \frac{1}{2} \theta$

$$
K=\frac{1}{2}
$$

$y=\cos x \quad$ Period $=\frac{2 \pi}{1 / 2}=2 \pi \cdot \frac{2}{1}=4 \pi$
b.


$$
y=A \sin k \theta
$$

$$
y=A \cos k \theta
$$




