Example
find $\lambda$

$$
\begin{aligned}
& 2.5 \lambda=1.2 \mathrm{~m} \\
& \lambda=\frac{1.2 \mathrm{~m}}{2.5} \\
& \lambda=0.48 \mathrm{~m}
\end{aligned}
$$

find $V$

$$
\begin{aligned}
2.5 \lambda=L & =1.2 \mathrm{~m} \\
f & =30 \mathrm{~Hz}
\end{aligned}
$$

$$
\begin{aligned}
& V=\lambda \cdot f \\
& V=(0.48 \mathrm{~m})(30 \mathrm{mz}) \\
& V=14.4 \mathrm{~m} / \mathrm{s}
\end{aligned}
$$



Resonance $=$
When the driving force
matches the natural frequency


$$
v=f A^{\prime} \lambda \downarrow
$$



