5.5 Rewriting Equation for Different Variables

Toking formulas and solving for other variables. than the original

In we writing we treat all variables other than the one we are solving for like numbers add, subtract, multiply dice

Area of Rectangle solve for width

$$
\begin{aligned}
& \frac{A}{l}=\frac{X \cdot \omega}{\&} \text { divicu by l } \\
& \frac{A}{l}=\omega
\end{aligned}
$$

$$
\begin{aligned}
& \frac{C}{2 \pi}=\frac{2 \pi r}{2 \pi} \text { for } r \\
& \frac{C}{2 \pi}=r
\end{aligned}
$$

$$
\underset{-m x-m x}{y}=m x+b \text { for } b
$$

$$
y-m x=b
$$

$$
\begin{aligned}
& \frac{V}{l \cdot h}=\frac{R \cdot w \cdot h}{x \cdot x} \text { for } w \\
& \frac{V}{l \cdot h}=w
\end{aligned}
$$

$$
\begin{aligned}
& P=\frac{2 l+2 \omega}{-2 \omega} \text { for } l \\
& \frac{P-2 \omega}{2}=\frac{2 l}{2} \\
& \rightarrow \frac{P-2 \omega}{2}=l \\
& \frac{P}{2}-\omega=l
\end{aligned}
$$

There is an $6 \%$ tax of all items sold at Clark $T=$ total sold with sales thy

$$
\begin{aligned}
& T=t+0.06 t \\
& T=1.06 t
\end{aligned}
$$

$\square$

