


Similar $\Delta$ 's
a) $\frac{20}{x+5}=\frac{6}{5}$

$$
\begin{array}{r}
205=6 x+6 s \\
-65
\end{array}
$$

b) $w=x+s$

$$
14 s=6 x
$$

$$
\begin{aligned}
\frac{d \omega}{d t} & =\frac{d x}{d t}+\frac{d s}{d t} \\
& =4.4+1.89 \\
& =6.29 \mathrm{ft} / \mathrm{s}
\end{aligned}
$$

$$
14 \frac{d s}{d t}=6 \frac{d x}{d t}
$$

$$
14 \frac{d s}{d t}=6(4 . t)
$$

$$
\frac{1 x \frac{d s}{d t}=\frac{26.4}{d 4}}{}
$$

$$
\frac{d s}{d t}=\frac{66}{35} \approx 1.89 \frac{\mathrm{ft}}{\mathrm{~s}}
$$



