


Examples

1. The 2 rectangles below are similar. Find the missing side. length. $\quad 15(4)=6 y$

2. A 15-foot flagpole casts a 9-footshadow. How tall is a tree that casts a 22 -foot shadow at the same time of day?


$$
\begin{aligned}
& \frac{15}{9}=\frac{x}{22} \\
& 9 x=\frac{330}{9} \\
& \frac{x}{9}=36.6 \mathrm{ft}
\end{aligned}
$$

4. The triangles below are similar. Find $x$.

