## Bellwork <br> 12/09/2011

1. Verify that $\triangle A B C \sim \triangle D E F$ for the given information. $\triangle A B C$ : $A C=6, A B=9, B C=12$ $\triangle D E F: D F=2, D E=3, E F=4$

$$
\begin{aligned}
& \frac{6}{2} \frac{9}{3} \frac{12}{4} \quad \operatorname{SSS} \sim T h m . \\
& \frac{3}{1}=\frac{3}{1}=\frac{3}{1} \sqrt{1}
\end{aligned}
$$



## Complete a Statement

Complete the statement.

$$
\frac{P Q}{Q R}=\frac{U T}{T S}
$$


$\frac{T S}{U T}=\frac{Q R}{P Q}$
$\frac{P Q}{P R}=\frac{U T}{U S}$

Use Proportions
Use the information to determine if $\overline{\mathrm{YZ}}|\mid \overline{\mathrm{VW}}$. If so, explain why.


Find a Side Length
Find the given side lengths.


Find Missing Variables
Find the value of the variables.



## Homework Assignment

## Worksheet 6.6B

